AXIOMTEK®

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2013 Network Appliances

SOHO NETWORK APPLIANCES

SMB NETWORK APPLIANCES

1 SOHO Series

Axiomtek's network appliance SOHO (Small Office and Home Office) barebones with edges of compact size, fantastic enclosure management capability, strict electromagnetic compatibility for class B, fanless and noiseless operations, energy saving, reasonable performance, and multiple Ethernet ports, are suitable for various environments and applications in space-limited environment. Axiomtek doesn't only provide low power, reasonable performance (x86 and SoC base) and reliable hardware platforms, but also system development kits for software integration.

Selection Guide

Fanless Solution

	NA-100	Desktop Fanless Network Appliance Platform with AMD Geode LX800 Processor and 4 LANs
	NA-110	Fanless Slim-type Network Appliance Platform with AMD G-Series T24L Processor and 4 LANs
	NA-810A	Compact Network Appliance Platform with VIA Eden V4 Processor and 4 LANs
	NA-813FL	Fanless Desktop Network Appliance Platform with Intel® Atom™ Processor N270 and 4 LANs
	NA-320FL	Fanless Desktop Network Appliance Platform with Intel® Atom™ Processor D510 and 6 LANs
	NA-340FL	Fanless Desktop Network Appliance Platform with Intel® Atom™ Processor D525 and 6 LANs
NEW	NA341	Fanless Slim-type Network Appliance Platform with Intel® Atom™ N2600 1.6 GHz Processor and 4 LANs

Fan Solution

	NA-810B	Compact Network Appliance Platform with VIA Eden C7 Processor and 4 LANs
	NA-811A	Desktop Network Appliance Platform with ULV Intel® Celeron® M Processor and 4 LANs
	NA-811B	Desktop Network Appliance Platform with Socket 479 Intel® Pentium® M Processor and 4 LANs
	NA-813	Desktop Network Appliance Platform with Intel® Atom™ Processor N270 and 4 LANs
	NA-320	Desktop Network Appliance Platform with Intel® Atom™ Processor D510 and 6 LANs
	NA-340	Desktop Network Appliance Platform with Intel® Atom™ Processor D525 and 6 LANs
NEW	NA120	Compact Network Appliance Platform with VIA NANO U3100 Processor and 4 LANs
NEW	NA361	Compact Network Appliance Platform with Intel® Atom™ Rangeley Processor and 6 LANs

NA-100

Desktop Fanless Network Appliance Platform with AMD Geode LX800 Processor and 4 LANs

▲ Front view

▲ Rear view

Fanless Low Power

Introduction

The NA-100 1U-height desktop network appliance platform integrates a low power consumption AMD Geode™ LX800 processor with AMD Geode™ CS5536AD chipset. Available with four Fast Ethernet ports thru PCI interface, the NA-100 offers reliable network connection for data transaction for small office network environments through Realtek 8100C LAN chip. This compact network platform supports up to a maximum of 512MB of DDR266/333/400 SO-DIMM socket with unbuffered non-ECC memory. To provide optimal network performance for more complex security application requirements, 2.5" HDD, CompactFlash™ and MiniPCI slot with 32-bit/33MHz are available for expansion to increase storage.

Specifications

System	
CPU	AMD Geode LX800 onboard; LX600/ LX700 as option
Chipset	AMD Geode CS5536AD
Memory	2 x SO-DIMM DDR 333/400 max. up to 2 GB
BIOS	Award 4Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 IDE HDD
Network Interface	4 x 10/100Mbps Ethernet (Realtek 8100C)
SSD	1 x CompactFlash™ type-II
I/O Interface	1 x RS-232 DB9 connector, 2 x USB connector, 4 x RJ-45 connector, 1 x DC-in power jack
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on rear side, rest are internal pin headers
Expansion Slot	1 x 32-bit/33MHz MiniPCI slot
Other Features (optional)	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.4 and 2.6, FreeBSD

Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.79") (H) x 210.2 mm (8.27") (W) x 151.2 mm (5.94") (D)
Weight (net/gross)	2.35 kg (5.18 lb)/2.61 kg (5.75 lb)
Certification	FCC class B/CE class B

Features

- Ultra low power AMD Geode LX800 processor
- Supports four 10/100Mbps Ethernet ports (Realtek 8100C)
- Supports LAN bypass and BIOS redirected to COM port
- Supports one 2.5 IDE HDD
- Supports accelerated IPsec security engines and wireless module through miniPCI
- Suitable for VPN, UTM, network bandwidth controller, SSL/ TLS, firewall and other embedded box applications

Ordering Information

Standard	
NA-100-D4ER-500	Ultra low power fanless network appliance with AMD LX800 CPU, 4 10/100Mbps

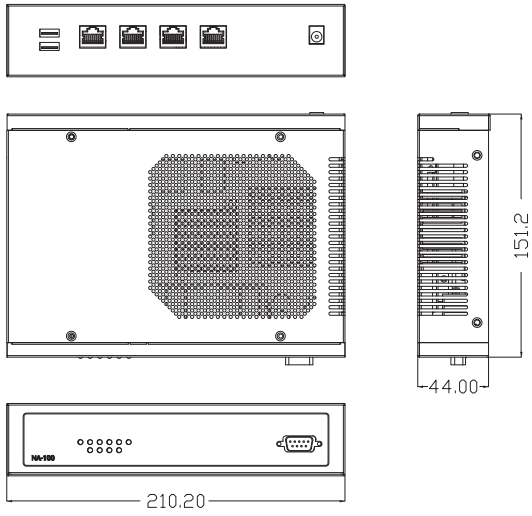
Optional	
CK9A100	Cable kit (P/N: 88080000640E)
AX93300	PATA to SATA converter module card

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

1 x DC power adapter 12V/5A
1 x 44-pin IDE cable
1 x utility CD (user's manual and driver)

Dimensions



* All specifications and photos are subject to change without notice.

NA-110

Fanless Slim-type Network Appliance Platform with AMD G-Series T24L Processor and 4 LANs

▲ Front view

▲ Rear view

Fanless Low Power

Introduction

NA-110 is a slim type fanless network hareware platform for VPN, Firewall, UTM and other network security applications. It supports low power AMD G-Serious T24L processor with A50M chipset. The system supports up to a maximum of 4 GB of DDR3 memory. For storing event log, NA-110 can provide powerful storage interface including one 2.5'' SATA2 HDD bay and a CFast slot. Meantime, the PCIe Mini Card is for WiFi wireless card installation.

Specifications

System	
CPU	AMD G-Series T24L 1.0 GHz processor
Chipset	AMD A50M
Memory	1 x DDR3 SODIMM socket max. up to 4 GB (non-ECC) (single channel) (wide temp. support is available upon request.)
BIOS	AMI 16Mbits PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 SATA HDD (wide temp. support is available upon request.)
Network Interface	4 x 10/100/1000Mbps (Realtek 8111E)
SSD	1 x CFast™ 1 x CompactFlash™ type-II (optional)
I/O Interface	1 x RS-232 (DB9 connector), 2 x USB connector, 4 x RJ-45 connector
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	PCIe Mini Card
Other Features	Serial number binding architecture Fanless and noiseless
Power Supply	12V, 5A power adaptor
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	Slim desktop
LED	Power, HDD, Link/Act with transfer rate
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	30 mm (1.18") (H) x 230 mm (9.05") (W) x 151.5 mm (5.96") (D)
Weight (net/gross)	2.2 kg (4.85 lb)/2.46 kg (5.42 lb)
Certification	FCC class B/ CE class B

Features

- Supports AMD G-Series T24L processor
- Supports one SO-DIMM up to 4 GB DDR3 1066MHz SDRAM
- Supports 4 10/100/1000Mbps Ethernet ports (Realtek 8111E)
- Supports one 2.5" SATA2 HDD
- Supports wireless module through Mini PCIe for optional
- Suitable for VPN, network bandwidth controller, firewall applications

Ordering Information

Standard	
NA-110-D4GR	Fanless network appliance with AMD T24L processor and 4 10/100/1000Mbps

Optional	
59463315040E	Console cable 1.8M, M-M round
E9C6200001	PCIe Mini VGA card

* Specifications and certifications are based on options and may vary.

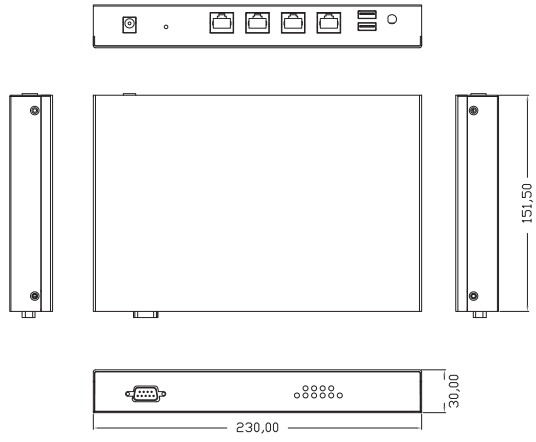
** Recommend ordering optional cable kit with first order.

Packing List

1 x power cord

1 x DC power adaptor 12V/5A

Dimensions



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NA-810A/B

Compact Network Appliance Platform with VIA Eden ULV/C7 Processor and 4 LANs

▲ NA-810A

▲ NA-810B

Fanless Low Power

Introduction

The NA-810A and NA-810B are compact network hardware platforms with four Ethernet ports for VPN, firewall and other network security applications. They support low power Eden V4/C7 processors and feature a compact and slim form factor. The NA-810A and NA-810B support up to 1 GB of SO-DIMM DDR2 memory. For storing event log data, the NA-810A/B features an internal 2.5 HDD. LAN bypass is an optional function available to control NA-810A/B through WDT and GPIO pin controls. One MiniPCI slot with 32-bit/33MHz is available for expansion if customer wish to install wireless module or VPN card.

Specifications

System	
CPU	Onboard low power VIA Eden ULV 500 MHz
Chipset	VIA CN700 and VIA 8237R+
Memory	1 x SO-DIMM DDR2 400/533 max. up to 1 GB
BIOS	Award 4Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 IDE HDD (for NA-810A) 1 x 2.5 IDE or SATA HDD (for NA-810B)
Network Interface	4 x 10/100Mbps Ethernet (Realtek 8100C)
SSD	1 x CompactFlash™ type-II (for NA-810B)
I/O Interface	1 x RS-232 DB9 connector, 2 x USB connector, 4 x RJ-45 connector, 1 x DC-in power jack
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on rear side, rest are internal pin headers
Expansion Slot	1 x 32bit/33MHz MiniPCI slot (NA-810B)
Other Features (optional)	LAN bypass function (LAN1, LAN2) through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.4 and 2.6, FreeBSD

Mechanical/ Environmental	
Form Factor	Slim desktop and 1U desktop
LED	Power, HDD, Link/Act with transfer rate
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	30 mm (1.18") (H) x 210 mm (8.27") (W) x 157 mm (5.94") (D) for NA-810A (including connector) 44 mm (1.73") (H) x 210 mm (8.27") (W) x 151 mm (5.94") (D) for NA-810B (including connector)
Weight (net/gross)	2.20 kg (4.85 lb)/2.46 kg (5.42 lb) for NA-810A 2.35 kg (5.18 lb)/2.61 kg (5.75 lb) for NA-810B
Certification	FCC class B

Features

- Low power and high performance VIA Eden ULV/C7 processor
- Supports 4 10/100Mbps Ethernet ports (Realtek 8100C)
- Supports BIOS redirected to COM port feature
- Supports one 2.5 IDE or SATA HDD
- Supports both fanless and quiet operation (for NA-810A)
- Suitable for VPN, network bandwidth controller, firewall applications

Ordering Information

Standard	
NA-810A-S4ER-400	Compact network security appliance with VIA Eden V4 400 MHz CPU (w/o CPU fan) and 4 10/100Mbps
NA-810B-D4ER-1G	Compact network security appliance with VIA C7 1 GHz CPU (w/ CPU fan) and 4 10/100Mbps

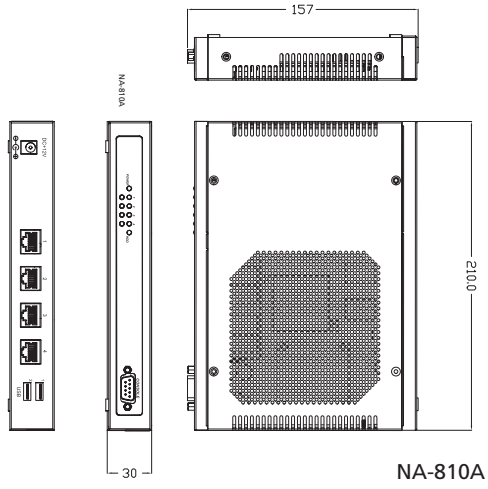
Optional	
CK9A100	Cable kit (P/N: 88080000640E)

*Specifications and certifications are based on options and may vary.
**NA-810A with ULV Eden 500 MHz or ULV Eden 1.0 GHz for fanless operation is available upon ODM/OEM request.
***NA-810B with ULV Eden 1.0 GHz for fanless operation is available upon ODM/OEM request.
****Recommend ordering optional cable kit with first order.

Packing List

- 1 x DC power adapter 12V/5A
- 1 x 44-pin IDE cable (NA-810A)
- 1 x SATA cable (NA-810B)
- 1 x utility CD (user's manual and driver)

Dimensions



NA-810A

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NA-813FL

Fanless Desktop Network Appliance Platform with Intel® Atom™ Processor N270 and 4 LANs

▲ Front view

▲ Rear view

Fanless Low Power

Introduction

The NA-813FL is a compact fanless network hardware platform for VPN, firewall and other network security applications. It's best suited for space limited environments. The NA-813FL supports low power Intel® Atom™ processor N270 1.6 GHz with Intel® 945GSE chipset and features a 1U desktop form factor. The system supports up to a maximum of 2 GB of DDR2 400/533 memory and for storing event log data. In addition, the NA-813FL features one internal 2.5 HDD. To prevent sudden shutdown, the NA-813FL supports LAN bypass function through WDT and GPIO pin definitions. Plus, there is a MiniPCI Express slot for WiFi wireless card installation.

Specifications

System	
CPU	Intel® Atom™ processor N270 1.6 GHz with 512K L2 cache
Chipset	Intel® 945GSE + ICH7-M
Memory	1 x SO-DIMM DDR2 400/533 max. up to 2 GB (wide temperature support is available upon request)
BIOS	AMI 8Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD (wide temperature support is available upon request)
Network Interface	4 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x optional DiskOnModule® (USB type) 1 x CompactFlash™ type-II (wide temperature is available upon request)
I/O Interface	1 x RS-232 DB9 connector, 2 x USB connector, 4 x RJ-45 connector, 1 x DC-in power jack
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on rear side, rest are internal pin headers
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features (optional)	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable (optional)
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 230 mm (9.05") (W) x 152.1 mm (5.98") (D)
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

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Features

- Low power and high performance Intel® Atom™ processor N270 1.6 GHz with 512K L2 cache and Intel® 945GSE chipset
- Supports 4 10/100/1000Mbps Ethernet ports (Intel® 82583V)
- Supports BIOS redirected to COM port
- Supports one 2.5" SATA HDD
- Supports fanless and noiseless operation
- Suitable for VPN, network bandwidth controller, firewall applications

Ordering Information

Standard	
NA-813FL-D4GI-1.6G	Compact fanless network appliance with Intel® Atom™ processor N270 1.6 GHz and 4 10/100/1000Mbps (Intel® 82583V)

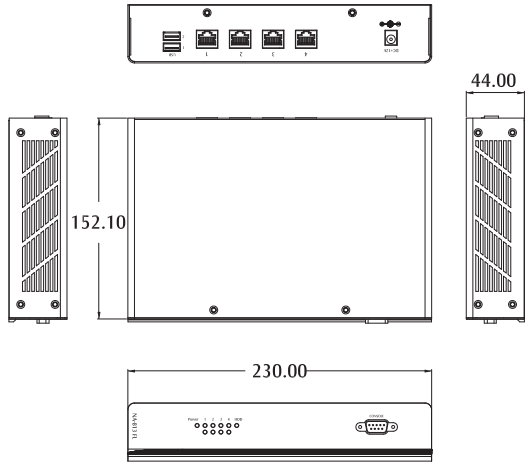
Optional	
CK9A100	Cable kit (P/N: 88080000640E)

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

- 1 x DC power adapter 12V/5A
- 1 x SATA Cable
- 1 x utility CD (user's manual and driver)

Dimensions



NA-320FL

Fanless Desktop Network Appliance Platform with Intel® Atom™ Processor D510 and 6 LANs

▲ Front view

▲ Rear view

Fanless Low Power

Introduction

The NA-320FL is a compact fanless network hardware platform for VPN, Firewall, UTM and other network applications. It supports low power Intel® Atom™ processor D510 1.66 GHz with Intel® ICH8M PCH chipset and features a 1U desktop form factor. The system supports up to a maximum of 2 GB of DDR2 667 memory. In addition, the NA-320FL features one internal 2.5" HDD for storing event log. To prevent problems from sudden shutdown, the NA-320FL supports LAN bypass function through WDT and GPIO pin definitions (optional). Meantime, the Mini card is for WiFi wireless card installation.

Specifications

System	
CPU	Intel® Atom™ processor D510 1.66 GHz with 1M/512K L2 cache
Chipset	Intel® ICH8M PCH chipset
Memory	1 x DDR2 667 (single channel) SO-DIMM max. up to 2 GB (unbuffered non-ECC) (wide temperature support is available upon request)
BIOS	AMI 16Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD (wide temperature support is available upon request)
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x CompactFlash™ type II (wide temperature support is available upon request)
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on rear side, rest are internal pin headers
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features (optional)	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable (optional)
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 230 mm (9.00") (W) x 153.5 mm (6.04") (D)
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

Features

- Low power and high performance Intel® Atom™ Processor D510 1.66 GHz with 1M L2 cache and Intel® ICH8M PCH chipset
- Supports 6 10/100/1000Mbps Ethernet ports (Intel® 82583V is default)
- Supports BIOS redirected to COM port
- Supports one 2.5" SATA HDD
- Supports fanless and noiseless operation
- Suitable for VPN, network bandwidth controller, firewall applications
- Supports Intel® Hyper-threading technology

Ordering Information

Standard	
NA-320FL-D6GI-1.66G	Compact fanless network appliance with Intel® Atom™ processor D510 1.66 GHz and 6 10/100/1000Mbps (Intel® 82583V)

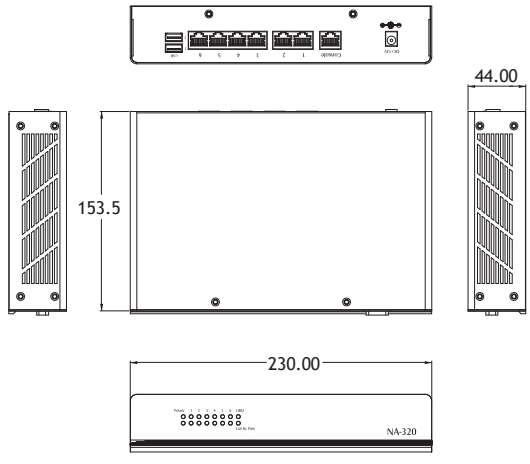
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

- 1 x DC power adapter 12V/5A
- 1 x SATA Cable
- 1 x utility CD (user's manual and driver)
- 1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

Dimensions



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NA-340FL

Fanless Desktop Network Appliance Platform with Intel® Atom™ Processor D525 and 6 LANs

▲ Front view

▲ Rear view

Fanless Low Power

Introduction

NA-340FL is a fanless compact network hardware platform for VPN, Firewall, UTM and other network applications. It supports low power Intel® Atom™ processor D425/ D525 1.8 GHz with Intel® ICH8M PCH chipset and features a 1U desktop form factor. The noiseless system supports up to 4 GB of DDR3 800 memory. In addition, NA-340FL features one internal 2.5" HDD for storing event log. To prevent problems from sudden shutdown, the NA-340FL supports LAN bypass function through software program (optional). Meantime, the Mini PCIe card is for WiFi wireless card installation.

Specifications

System	
CPU	Intel® Atom™ processor D525 1.8 GHz with 1M L2 cache
Chipset	Intel® ICH8M PCH chipset
Memory	1 x DDR3 800 (single channel) SO-DIMM max. up to 4 GB (unbuffered non-ECC) (wide temp. support is available upon request.)
BIOS	AMI PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 SATA HDD (wide temp. support is available upon request.)
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x CFast™ (wide temp. support is available upon request.) or 1 x CompactFlash™ type-II (optional)
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack (power din as option)
Watchdog Timer	Up to 8 stepping for porting
USB	2 x USB 2.0 port on rear side, rest are internal pin headers
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features	LAN bypass function through latch relay (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 230 mm (9.00") (W) x 152.8 mm (6.01") (D)
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

Features

- Low power and high performance Intel® Atom™ processor D525 1.8 GHz with 1M/512K L2 cache and Intel® ICH8M PCH chipset
- Supports 6 10/100/1000Mbps Ethernet ports (Intel® 82583V is default)
- Supports BIOS redirected to COM port
- Supports one 2.5" SATA HDD
- Fanless and noiseless operation
- Suitable for VPN, network bandwidth controller, firewall applications
- Supports Intel Hyper-threading technology
- Supports BIOS Quick Boot

Ordering Information

Standard	
NA-340FL-D6GI-1.8G	Compact network appliance with Intel® Atom™ processor D525 1.8 GHz and 6 10/100/1000Mbps (Intel® 82583V)

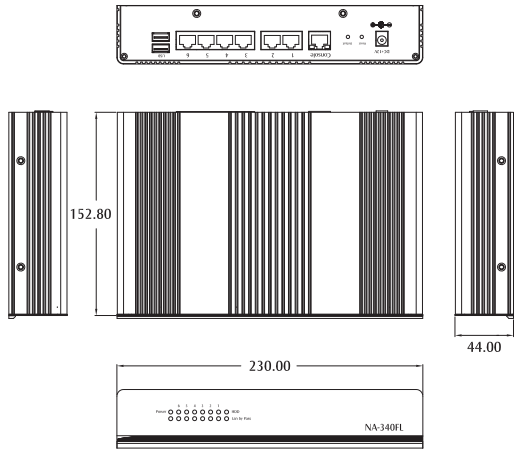
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

- 1 x DC power adapter 12V/5A
- 1 x SATA cable
- 1 x utility CD (user's manual and driver)
- 1 x RJ-45 to DB9 (F) 1.8M

Dimensions



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NA-811A/B

Desktop Network Appliance Platform with ULV Intel® Celeron® M/ Pentium® M Processor and 4 LANs

▲ Front view

▲ Rear view

Low Power

Introduction

The NA-811 series is a 1U desktop form factor with four Gigabit LAN ports designed for small and home office applications. It supports a socket 479 Intel® Pentium® M processor or an ULV Intel® Celeron® M 1GHz/0K (L2 cache) processor. To prevent network problems when the platform shuts down, the NA-811 series supports one group of LAN bypass function through WDT and GPIO pin definitions. In order to provide the best network performance and best utilization, the powerful storage interface includes one 2.5" SATA HDD and CompactFlash™. One MiniPCI slot with 32-bit/33MHz is available for expansion if customer wish to install wireless module or VPN card.

Specifications

System	
CPU	ULV Intel® Celeron® M 1 GHz and 0K L2 cache processor onboard (NA-811A) Socket 479 for Intel® Pentium® M processor (NA-811B)
Chipset	Intel® 910GMLE and Intel® ICH6M (NA-811A) Intel® 915GME and Intel® ICH6M (NA-811B)
Memory	2 x DDR2 400/533 SO-DIMM max. up to 2 GB
BIOS	Award 4Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 SATA HDD
Network Interface	4 x 10/100/1000Mbps Ethernet (Intel® 82573L)
SSD	Supports DiskOnModule
I/O Interface	1 x RS-232 (DB9 connector), 2 x USB connector, 4 x RJ-45 connector, 1 x DC-in power jack
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on rear side, rest are internal pin headers
Expansion Slot	1 x 32bit/33MHz MiniPCI slot
Other Features (optional)	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Redhat Linux Kernel 2.0 and 2.6

Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73) (H) x 221.4 mm (8.26) (W) x 151.5 mm (5.96) (D)
Weight (net/gross)	2.35 kg (5.18 lb)/2.61 kg (5.75 lb)
Certification	FCC class B/CE class B

Features

- Low power and high performance ULV Intel® Celeron® M 1 GHz with 0K cache or socket 479 Intel® Pentium® M processor
- Supports 4 10/100/1000Mbps Ethernet ports (Intel® 82573L)
- Supports BIOS redirected to COM port features
- Supports one 2.5 SATA HDD
- High computing performance and throughput for processor and LAN ports
- Suitable for network appliance: VPN, network bandwidth controller, firewall and UTM

Ordering Information

Standard	
NA-811A-D4GI-1G	Low power network appliance with ULV Intel® Celeron® M 1 GHz/0K (L2 cache) CPU, 4 10/100/1000Mbps
NA-811B-D4GI	High performance network appliance with socket 479 Intel® Pentium® M, 4 10/100/1000Mbps

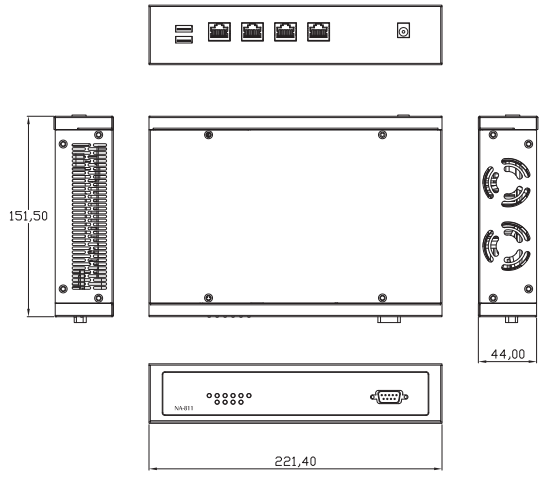
Optional	
CK9A100	Cable kit (P/N: 88080000640E)

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

1 x DC power adapter 12V/5A
1 x SATA cable
1 x utility CD (user's manual and driver)

Dimensions



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NA-813

Desktop Network Appliance Platform with Intel® Atom™ Processor N270 and 4 LANs

▲ Front view

▲ Rear view

Supports Intel Atom inside

Low Power

Introduction

The NA-813 is a power-efficient network appliance platform running on Intel® Atom™ processor N270 1.6 GHz. With a compact housing of 44 x 221 x 151 mm in size, the NA-813 offers four Gigabit Ethernet ports with optional LAN bypass function. The built-in Hyper-threading function and SpeedStep technology helps reduce costly downtime and maximize uptime. One 200-pin SO-DIMM socket supports up to 2 GB DDR2 400/533 system memory. To provide optimal network performance and best utilization, the NA-813 comes with storage interfaces including one 2.5 SATA HDD and CompactFlash™ , and one MiniPCI Express slots available for expansion. With operating temperatures of up to +45˚, the NA-813 is a cost-effective SOHO network appliance platform for VPN, content filtering, UTM, intrusion detection/prevention systems, anit-virus, and firewalls.

Specifications

System	
CPU	Intel® Atom™ processor N270 1.6 GHz with 512K L2 cache
Chipset	Intel® 945GSE + ICH7-M
Memory	1 x SO-DIMM DDR2 400/533 max. up to 2GB
BIOS	AMI 8Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 SATA HDD
Network Interface	4 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x optional DiskOnModule (USB type) 1 x CompactFlash™ type-II
I/O Interface	1 x RS-232 (DB9 connector), 2 x USB connector, 4 x RJ-45 connector, 1 x DC-in power jack
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on rear side, rest are internal pin headers
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features (optional)	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable (optional)
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 221.4 mm (8.71") (W) x 151.5 mm (5.96") (D)
Weight (net/gross)	2.35 kg (5.18 lb)/2.6 kg (5.75 lb)
Certification	FCC class B/CE class B

Features

- Low power and high performance Intel® Atom™ processor N270 1.6 GHz with 512K L2 cache and Intel® 945GSE chipset
- Supports 4 10/100/1000Mbps Ethernet ports (Intel 82583V)
- Supports BIOS redirected to COM port
- Supports one 2.5" SATA HDD
- Suitable for VPN, network bandwidth controller, firewall applications
- Supports Intel Hyper-threading technology

Ordering Information

Standard	
NA-813-D4GI-1.6G	Compact network appliance with Intel Atom processor N270 1.6 GHz and 4 10/100/1000Mbps (Intel 82583V)

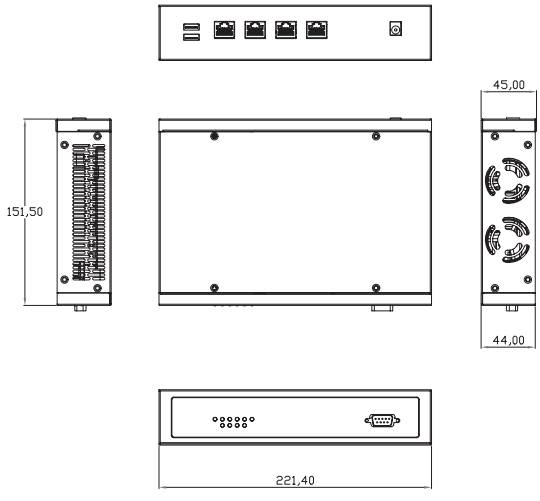
Optional	
CK9A100	Cable kit (P/N: 88080000640E)

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

1 x DC power adapter 12V/5A
1 x SATA Cable
1 x utility CD (user's manual and driver)

Dimensions



* All specifications and photos are subject to change without notice.

NA-320

Desktop Network Appliance Platform with Intel® Atom™ Processor D510 and 6 LANs

▲ Front view

▲ Rear view

Supports Intel Atom inside

Low Power

Introduction

The NA-320 is a compact network hardware platform for VPN, Firewall, UTM and other network applications. It supports low power Intel® Atom™ processor D410/D510 1.66 GHz with Intel® ICH8M PCH chipset and features a 1U desktop form factor. The system supports up to 2 GB of DDR2 667 memory. In addition, the NA-320 features one internal 2.5" HDD for storing event log. To prevent problems from sudden shutdown, the NA-320 supports LAN bypass function through WDT and GPIO pin definitions (optional). Meantime, the Mini card is for WiFi wireless card installation.

Specifications

System	
CPU	Intel® Atom™ processor D510 1.66 GHz with 1M L2 cache
Chipset	Intel® ICH8M PCH chipset
Memory	1 x DDR2 667 (single channel) SO-DIMM max. up to 2 GB (unbuffered non-ECC)
BIOS	AMI 16Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x CompactFlash™ type II
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on rear side, rest are internal pin headers
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features (optional)	LAN bypass function through WDT and GPIO pin control (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable (optional)
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 230 mm (9.00") (W) x 153.5 mm (6.04") (D)
Weight (net/gross)	2.5 kg (5.51 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

Features

- Low power and high performance Intel® Atom™ Processor D510 1.66 GHz with 1M/512K L2 cache and Intel® ICH8M PCH chipset
- Supports 6 10/100/1000Mbps Ethernet ports (Intel 82583V is default)
- Supports BIOS redirected to COM port
- Supports one 2.5" SATA HDD
- Suitable for VPN, network bandwidth controller, firewall applications
- Supports Intel Hyper-threading technology

Ordering Information

Standard	
NA-320-D6GI-1.6G	Compact network appliance with Intel® Atom™ processor D510 1.66 GHz and 6 10/100/1000Mbps (Intel® 82583V)

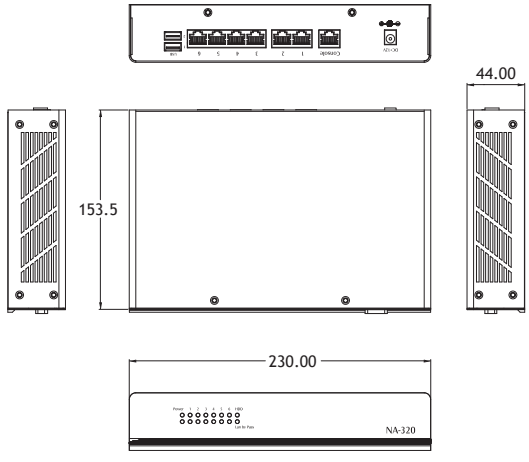
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

- 1 x DC power adapter 12V/5A
- 1 x SATA Cable
- 1 x utility CD (user's manual and driver)
- 1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

Dimensions



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NA-340

Desktop Network Appliance Platform with Intel® Atom™ Processor D525 and 6 LANs

▲ Front view

▲ Rear view

Supports Intel Atom inside

Low Power

Introduction

NA-340 is a compact network hardware platform for VPN, Firewall, UTM and other network applications. It supports low power Intel® Atom™ processor D425/ D525 1.8 GHz with Intel® ICH8M PCH chipset and features a 1U desktop form factor. The system supports up to 4 GB of DDR3 800 memory. In addition, NA-340 features one internal 2.5" HDD for storing event log. To prevent problems from sudden shutdown, the NA-340 supports LAN bypass function through software program (optional). Meantime, the Mini PCIe card is for WiFi wireless card installation.

Specifications

System	
CPU	Intel® Atom™ processor D525 1.8 GHz with 1M L2 cache
Chipset	Intel® ICH8M PCH chipset
Memory	1 x DDR3 800 (single channel) SO-DIMM max. up to 4 GB (unbuffered non-ECC)
BIOS	AMI PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 SATA HDD
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel® 82583V (default), Intel® 82574L (optional))
SSD	1 x CFast™ 1 x CompactFlash™ type-II (optional)
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector, 1 x DC-in power jack (power din as option)
Watchdog Timer	Up to 8 stepping for porting
USB	2 x USB 2.0 port on rear side, rest are internal pin headers
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features (optional)	LAN bypass function through latch relay (one group)
Power Supply	1 x 12V, 5A power adapter
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	1U desktop
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (optional), GPIO programmable (optional)
Operating Temp.	0° ~ +40°C (32°F ~ 104°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 230 mm (9.00") (W) x 152.1 mm (5.98") (D)
Weight (net/gross)	2.5 kg (5.5 lb)/2.9 kg (6.39 lb)
Certification	FCC class B/CE class B

Features

- Low power and high performance Intel® Atom™ processor D525 1.8 GHz with 1M/512K L2 cache and Intel® ICH8M PCH chipset
- Supports 6 10/100/1000Mbps Ethernet ports (Intel® 82583V is default)
- Supports BIOS redirected to COM port
- Supports one 2.5" SATA HDD
- Suitable for VPN, network bandwidth controller, firewall applications
- Supports Intel® Hyper-threading technology
- Supports BIOS Quick Boot
- Supports Smart Fan for better thermal and acoustic performance

Ordering Information

Standard	
NA-340-D6GI-D525-RC w/ Lan bypass	Compact network appliance with Intel® Atom™ processor D525 1.8 GHz, 6 10/100/1000Mbps (Intel® 82583V) and LAN bypass
NA-340-D6GI-D525-RC w/o LAN bypass	Compact network appliance with Intel® Atom™ processor D525 1.8 GHz, 6 10/100/1000Mbps (Intel® 82583V) and w/o LAN bypass

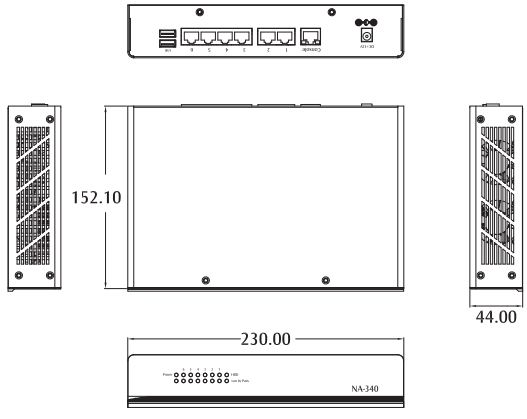
Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

1 x DC power adapter 12V/5A
1 x SATA cable
1 x utility CD (user's manual and driver)
1 x RJ-45 to DB9 (F) 1.8M

Dimensions



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2 SMB Series

Axiomtek's network appliance SMB (Small and Medium Business) barebones with standard 19" rackmount form factor, enclosure management capability, electromagnetically approved, and high density of Ethernet port, are suitable for various environments (departmental and/or workgroup) and applications. Axiomtek does not only provide high computing performance (Intel® Quad Core or Dual Core CPU) and reliable hardware platforms, but also provide system development kits for software integration.

Selection Guide

Value Solution

NA-810C	1U Rackmount Network Appliance Platform with VIA C7 Processor and 4 LANs
NA-811C	1U Rackmount Network Appliance Platform with Socket 479 ULV Intel® Celeron® M/ Pentium® M Processor and 4 LANs
NA-320R	1U Rackmount Network Appliance Platform with Intel® Atom™ Processor D510 and 6 LANs
NA-330	1U Rackmount Network Appliance Platform with Intel® Atom™ Processor D525 and 10 LANs

Mainstream Solution

NA-820	1U Rackmount Network Appliance Platform with LGA775 Intel® Core™2 Duo Processor and 7 LANs
NA-820L	1U Rackmount Network Appliance Platform with LGA775 Intel® Core™2 Duo Processor and 4 LANs
NA-710	1U Rackmount Network Appliance Platform with LGA775 Intel® Core™2 Quad/ Core™2 Duo Processor and 6 LANs
NA-510	1U Rackmount Network Appliance Platform with LGA1156 Socket Processor and 8 LANs
NA-560	1U Rackmount Network Appliance Platform with LGA1155 Intel® H61/ B65/ Q67 and up to 8 LANs

Performance Solution

	NA-822	1U Rackmount Network Appliance Platform with LGA775 Intel® Core™2 Quad/ Core™2 Duo Processor and 10 LANs
	NA-821	Network Appliance Platform with LGA775 Intel® Core™2 Quad/ Core™2 Duo Processor, 2 PCIe I/O Modules and up to 11 LANs
NEW	NA-360	1U Rackmount Network Appliance Platform with Intel® Crystal Forest (Gladden Platform) and up to 16 LANs
	NA-550	1U Rackmount Network Appliance Platform with LGA1155 Intel® C206/ C216 and up to 26 LANs
	NA-551	2U Rackmount Network Appliance Platform with LGA1155 Intel® Sandy Bridge (C206/ C216), Two 3.5" Hot-swappable HDD and up to 26 LANs
NEW	NA552	2U Rackmount Network Appliance Platform with LGA1155 Intel® Ivy Bridge (C216), Four 3.5" HDD and up to 26 LANs

NA-810C

1U Rackmount Network Appliance Platform with VIA C7 Processor and 4 LANs

▲ Front view

▲ Rear view

Low Power

Introduction

The NA-810C is a 1U rackmountable network hardware platform for VPN, firewall and other network applications. It supports VIA C7 low power CPU. The system supports up to 1GB of SO-DIMM DDR2 memory for storing event log data and the NA-810C utilizes two internal 2.5" HDD's. With other optional features such as LAN bypass, the NA-810C can be controlled through WDT and GPIO pin definitions without downtime. For LAN connections, the platform has two different configurations, making it a cost-effective solution.

Specifications

System	
CPU	Onboard low power VIA C7 1.5 GHz processor
Chipset	VIA CN700 and VIA 8237R+
Memory	1 x DDR2 400/533 SO-DIMM max. up to 1 GB
BIOS	Award 4Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 2.5 IDE HDD or SATA HDD
Network Interface	4 x 10/100Mbps Ethernet (Realtek 8100C)
SSD	1x CompactFlash™ type-II
I/O Interface	1 x RS-232 (DB9 connector), 2 x USB connector, 4 x RJ-45 connector
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	1 x 32bit/33MHz MiniPCI slot
Other Features (option)	LAN bypass function through WDT and GPIO pin control
Power Supply	84W switching power supply (open frame)
OS Compatibility	Linux Redhat Kernel 2.4 and 2.6, FreeBSD

Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate (RJ-45)
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.93") (W) x 248 mm (9.76") (D)
Weight (net/gross)	7 kg (15.43 lb)/8 kg (17.64 lb)
Certification	FCC class A

Features

- Low power and high performance VIA C7 processor
- Supports four 10/100Mbps Ethernet ports (Realtek 8100C is default)
- Supports BIOS redirected to COM port
- Supports two 2.5" IDE or SATA HDD
- Supports VRAID function (optional)
- Suitable for VPN, network bandwidth controller, firewall applications

Ordering Information

Standard	
NA-810C-R4ER-1.5G	1U low power network appliance with VIA C7 1.5 GHz CPU, 4 10/100Mbps

Optional	
CK9A100	Cable kit (P/N: 88080000640E)

* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

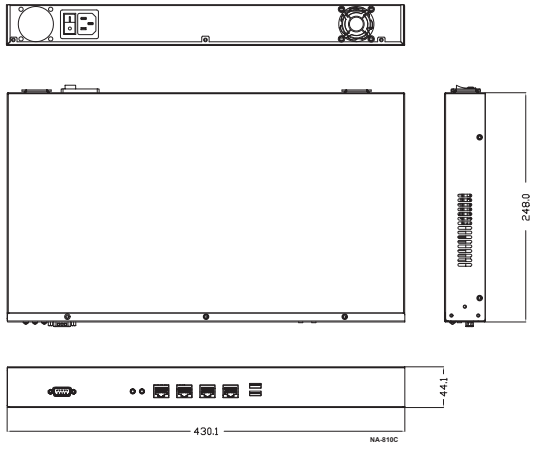
Packing List

2 x SATA cable

Power cord

1 x utility CD (user's manual and driver)

Dimensions



* All specifications and photos are subject to change without notice.

NA-811C

1U Rackmount Network Appliance Platform with Socket 479 ULV Intel® Celeron® M/ Pentium® M Processor and 4 LANs

▲ Front view

▲ Rear view

Low Power

Introduction

The NA-811C energy-saving 1U rackmountable network appliance platform is configured with an ultra low power Intel® Celeron® M / Pentium® M processor with the Mobile Intel 915GME chipset, delivering exceptional performance with minimum power consumption. The NA-811C supports two DDR2 SO-DIMM slots with 400/533 memory up to 2GB capacity. Available with four Gigabit Ethernet ports thru PCIe interface with IP / UDP / TCP checksum offloading and VLAN tag support, the platform deliveries high throughput. To prevent problems from sudden shutdown, the NA-811C supports a LAN bypass function through WDT and GPIO pin definitions. The NA-811C has space for two 2.5" SATA HDD or one 3.5" SATA HDD up to Terabytes storage space for storing event log data.

Specifications

System	
CPU	Socket 479 for Intel® Pentium® M processor
Chipset	Intel® 915GME and Intel® ICH6M
Memory	2 x DDR2 400/533 SO-DIMM max. up to 2 GB
BIOS	Award 4Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	Up to 2 x 2.5 SATA HDD (default) or 1 x 3.5" SATA HDD (optional)
Network Interface	4 x 10/100/1000Mbps Ethernet (Intel® 82573L)
SSD	Supports DiskOnModule
I/O Interface	1 x RS-232 (DB9 connector), 2 x USB connector, 4 x RJ-45 connector, 1 x AC power inlet
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on rear side, rest are internal pin headers
Expansion Slot	1 x 32bit/33MHz MiniPCI slot
Other Features	LAN bypass function through WDT and GPIO pin control
Power Supply	Open frame 84W power
OS Compatibility	Redhat Linux Kernel 2.4 and 2.6

Mechanical/ Environmental	
Form Factor	1U 19" rackmount
LED	Power, HDD, Link/Act with transfer rate
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.93") (W) x 248 mm (9.76") (D)
Weight (net/gross)	7 kg (15.43lb)/8 kg(17.64lb)
Certification	FCC class A

Features

- Low power and high performance socket 479 Intel® Pentium® M processor
- Supports four 10/100/1000Mbps Ethernet ports (Intel® 82573L)
- Supports BIOS redirected to COM port features
- Supports up to two 2.5" SATA HDD
- High computing performance and throughput for processor and LAN ports
- Suitable for network appliance: VPN, network bandwidth controller, firewall and UTM

Ordering Information

Standard	
NA-811C-R4GI	High performance network appliance with socket 479 Intel® Pentium® M, 4 10/100/1000Mbps

Optional	
CK9A100	Cable kit (P/N: 88080000640E)

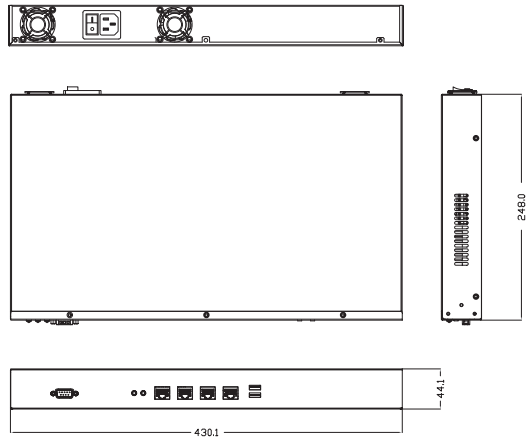
* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

1 x SATA cable
1 x utility CD (user's manual and driver)
1 x power cord

Dimensions



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NA-320R

1U Rackmount Network Appliance Platform with Intel® Atom™ Processor D510 and 6 LANs

▲ Front view

▲ Rear view

Introduction

The NA-320R is a 1U rackmountable network security hardware platform for VPN, firewall, UTM and other network security applications. It supports low power Intel® Atom™ processor D510 1.66 GHz with Intel® ICH8M PCH chipset and a DDR2 667 memory up to 2 GB. For storing event log data, the NA-320R utilizes two 2.5" SATA2 HDD or one 3.5" SATA2 HDD (optional). To prevent problems from sudden shutdown, the platform supports one group of LAN bypass function through WDT and GPIO pin definitions. Meantime, the Mini card is for WiFi wireless card installation.

Specifications

System	
CPU	Intel® Atom™ processor D510 1.66 GHz with 1M L2 cache
Chipset	Intel® ICH8M PCH chipset
Memory	1 x DDR2 667 (single channel) SO-DIMM max. up to 2 GB (unbuffered non-ECC)
BIOS	AMI 16Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA2 HDD or 1 x 3.5" SATA2 HDD (optional)
Network Interface	6 x 10/100/1000Mbps Ethernet (Intel 82583V (default), Intel® 82574L (optional))
SSD	1x CompactFlash™ type II
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	PCIe Mini Card (USB transaction bus)
Other Features	LAN bypass function through WDT and GPIO pin control
Power Supply	84W switching power supply (open frame)
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, LAN bypass, Link/Act with transfer rate
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.93") (W) x 248 mm (9.76") (D)
Weight (net/gross)	7 kg (15.43 lb)/8 kg (17.64 lb)
Certification	CE class A

Features

- Low power and high performance Intel® Atom™ processor D510 1.66 GHz with 1M L2 cache and Intel® ICH8M PCH chipset
- Supports 6 10/100/1000Mbps Ethernet ports (Intel® 82583V is default)
- Supports BIOS redirected to COM port
- Supports two 2.5" SATA HDD
- Suitable for VPN, network bandwidth controller, firewall applications
- Supports Intel Hyper-threading technology

Ordering Information

Standard	
NA-320R-R6GI-1.6G	1U rackmount network appliance with Intel® Atom™ processor D510 1.66 GHz and 6 10/100/1000Mbps

Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

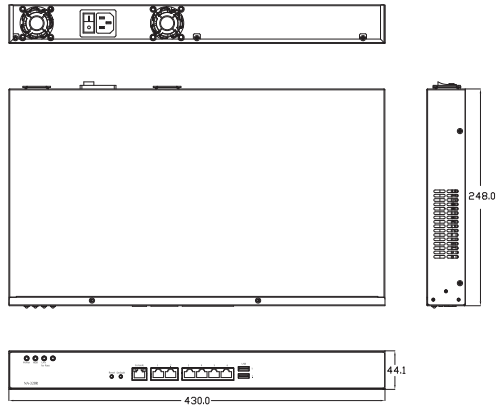
* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

- 2 x SATA cable
- 1 x power cord
- 1 x utility CD (user's manual and driver)
- 1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

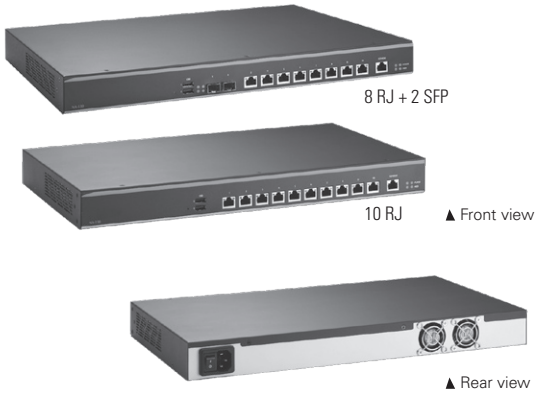
Dimensions



* All specifications and photos are subject to change without notice.

NA-330

1U Rackmount Network Appliance Platform with Intel® Atom™ Processor D525 and 10 LANs



▲ Front view

▲ Rear view

Supports Intel Atom inside

Low Power

Introduction

The NA-330 is a 1U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports low power Intel® Atom™ processor D525 1.8 GHz with Intel® ICH8M chipset and a DDR3 800 memory up to 4 GB. The wLAN ports are available in copper and fiber configurations to meet different requirements. For storing event data, the NA-330 utilizes two 2.5" SATA HDD or 3.5'' SATA HDD. Meantime, it supports CompactFlash™ or optional SATA DoM. To ensure an uninterrupted network connection, the two-group bypass function acts automatically when the system is powered down or off.

Specifications

System	
CPU	Intel® Atom™ D525 1.86 GHz with 1M L2 cache
Chipset	Intel® ICH8M
Memory	2 x DDR3 800 (single channel) SO-DIMM max. up to 4 GB (unbuffered non-ECC)
BIOS	AMI 8Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA HDD (default) or 1 x 3.5'' SATA HDD (optional)
Network Interface	10 (RJ-type) x 10/100/1000Mbps Ethernet (Intel® 82583V, 82572EI, 82541PI) or 8 (RJ-type) + 2 (SFP type, fiber) 10/100/1000Mbps Ethernet (Intel 82583V, 82572EI, 82541PI)
SSD	1 x SATA DOM or 1x CompactFlash™
I/O Interface	1 x RS-232 (RJ-type connector) 2 x USB connector, 10 x RJ-45 connector
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	1 x PCIe Mini Card slot (USB transaction bus)
Other Features	LAN bypass function through WDT and GPIO pin control (default) LAN bypass (2 groups)
Power Supply	84W open frame
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate, LAN bypass (default), GPIO programmable (optional)
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.93") (W) x 255 mm (10.03") (D)
Weight (net/gross)	3.3 kg (7.27 lb)/4.3 kg (9.47 lb)
Certification	FCC class A/CE class A

Features

- Low power and high performance Intel® Atom™ processor D525 1.8 GHz with 1M L2 cache and Intel® ICH8M chipset
- Supports 10 10/100/1000Mbps Ethernet ports or optional fiber solution (Intel® 82583V, 82572EI, 82541PI)
- Supports two groups LAN Bypass
- Supports single mode or multi mode fiber connection by SFP flexible design
- Supports two DDR3 SODIMM max. up to 4GB unbuffer and none-ECC Memory
- Supports BIOS redirected to COM port
- Supports two 2.5" SATA HDD or one 3.5'' SATA HDD
- Suitable for VPN, network bandwidth controller, firewall applications
- Supports Intel® Hyper-Threading technology

Ordering Information

Standard	
NA330-RAGI-1.8G -D525	1U network appliance with ULV Intel® Atom™ processor D525 1.8 GHz and 10 10/100/1000 Mbps (10 RJ)
NA330-RAMI-1.8G -D525	1U network appliance with ULV Intel® Atom™ processor D525 1.8 GHz and 10 10/100/1000 Mbps (8 RJ+2 SFP)

Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

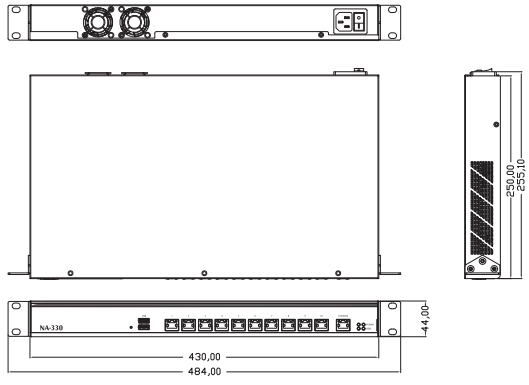
* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

1 x SATA Cable
1 x utility CD (user's manual and driver)
1 x power cord
1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

Dimensions



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NA-820

1U Rackmount Network Appliance Platform with LGA775 Intel® Core™2 Duo Processor and 7 LANs

▲ Front view

▲ Rear view

Features

- LGA775 socket Intel® Pentium® 4/ Pentium® D/ Core™2 Duo processor
- Supports seven 10/100/1000Mbps Ethernet ports (Intel® 82573L)
- Supports BIOS redirected to COM port
- Support one 2.5" IDE or SATA HDD
- Suitable for VPN, network bandwidth controller, firewall and UTM applications

Introduction

The NA-820 1U rackmount network appliance with 7 LAN ports supports an Intel® Core™2 Duo processor with a 800MHz frontside bus, featuring an Intel® 945G chipset integrated VGA function and built-in PCIe Gigabit Ethernet interface. To prevent network problems when the platform shuts down, the NA-820 supports two groups of LAN by-pass function through WDT and GPIO pin definitions. In addition, the platform supports two high bandwidth DDR2 533/667 DIMM sockets up to 4GB memory. In order to provide the best network performance and utilization, this network security platform has storage interfaces including one 2.5" IDE or SATA HDD and CompactFlash , and one MiniPCI slot with 32-bit/33MHz is available for expansion.

Specifications

System	
CPU	LGA775 socket for Intel® Pentium® 4 (Prescott)/ Pentium® D/ Core™2 Duo processor
Chipset	Intel® 945G + ICH7R
Memory	2 x DDR2 533/667 DIMM max. up to 4 GB (memory usage is dependent upon chipset)
BIOS	Award 4Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 SATA HDD
Network Interface	7 x 10/100/1000Mbps Ethernet (Intel® 82573L)
SSD	1 x CompactFlash™
I/O Interface	1 x RS-232 (DB9 connector), 2 x USB connector, 7 x RJ-45 connector
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	1 x 32-bit/33MHz PCI slot 1 x 32-bit/33MHz MiniPCI slot
Other Features	LAN bypass function through WDT and GPIO pin control (2 groups)
Power Supply	270W ATX power supply
OS Compatibility	Linux Redhat Kernel 2.4 and 2.6, FreeBSD

Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate (RJ-45)
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 427.8 mm (16.84") (W) x 301 mm (118.5") (D)
Weight (net/gross)	8.2 kg (18.08 lb)/9.8 kg (21.61 lb)
Certification	FCC class A/CE class A

Ordering Information

Standard	
NA-820-R7GI	1U high performance network appliance with LGA775 socket for Intel® Pentium® 4/Core™2 Duo CPU, 7 10/100/1000Mbps

Optional	
CK9A102	Cable kit (P/N: 880800006A0E)

* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

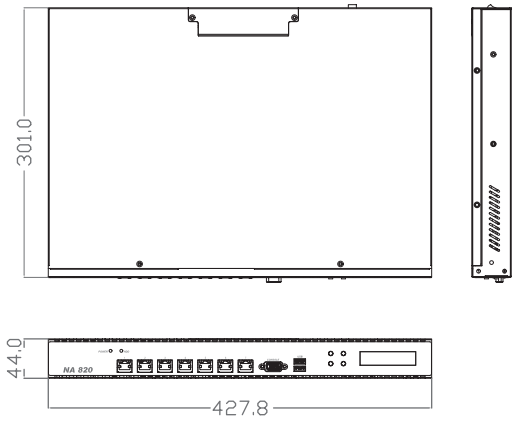
Packing List

1 x power cord

1 x SATA cable

1 x utility CD (user's manual and driver)

Dimensions



* All specifications and photos are subject to change without notice.

NA-820L

1U Rackmount Network Appliance Platform with LGA775 Intel® Core™2 Duo Processor and 4 LANs

▲ Front view

▲ Rear view

Features

- LGA775 socket Intel® Pentium® 4/ Pentium® D/ Core™2 Duo processor
- Supports four 10/100/1000Mbps Ethernet ports (Intel® 82573L)
- Supports BIOS redirected to COM port
- Supports up to two 2.5 SATA HDD
- Suitable for VPN, network bandwidth controller, firewall and UTM applications
- High performance and cost-effective solution

Introduction

The NA-820L is a cost-effective network appliance platform with 4 front Gigabit LAN ports. Built with Intel® 945GC+ICH7R chipset, this extremely low cost network appliance supports an Intel® Core™2 Duo processor up to 1.8GHz with a 800MHz frontside bus. Through an Intel® 82573L Ethernet controller, the network appliance platform supports four gigabit Ethernet and meets IEEE 802.3u standard for critical network environments. Dual DIMM sockets support up to 4GB of DDR2 system memory, and additional network application support is made possible by PCI slot, MiniPCI slot, and CompactFlash socket. To prevent network problems when the platform shuts down, the NA-820L supports LAN bypass function through WDT and GPIO pin definitions.

Specifications

System	
CPU	LGA775 socket for Intel® Pentium® 4 (Prescott)/ Pentium® D/ Core™2 Duo processor
Chipset	Intel® 945GC + ICH7R
Memory	2 x DDR2 533/667 DIMM max. up to 4 GB (memory usage is dependent upon chipset)
BIOS	Award 4Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 SATA HDD
Network Interface	4 x 10/100/1000Mbps Ethernet (Intel® 82573L)
SSD	1 x CompactFlash™
I/O Interface	1 x RS-232 (DB9 connector), 2 x USB connector, 4 x RJ-45 connector
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	1 x 32-bit/33MHz PCI slot 1 x 32-bit/33MHz MiniPCI slot
Other Features	LAN bypass function through WDT and GPIO pin control (optional)
Power Supply	270W ATX power supply
OS Compatibility	Linux Redhat Kernel 2.4 and 2.6, FreeBSD

Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate (RJ-45)
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 427.8 mm (16.84") (W) x 301 mm (11.85") (D)
Weight (net/gross)	8.2 kg (18.08 lb)/9.8 kg (21.61 lb)
Certification	FCC class A/CE class A

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Ordering Information

Standard	
NA-820L-R4GI	1U high performance network appliance with LGA775 socket for Intel® Pentium® 4/Core™2 Duo CPU, 4 10/100/1000Mbps

Optional	
CK9A102	Cable kit (P/N: 880800006A0E)

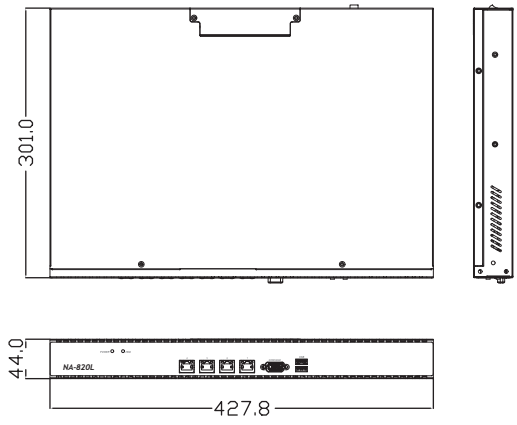
* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

1 x power cord
1 x SATA cable
1 x utility CD (user's manual and driver)

Dimensions



NA-710

1U Rackmount Network Appliance Platform with LGA775 Intel® Core™2 Quad/ Core™2 Duo Processor and 6 LANs

▲ Front view

▲ Rear view

Introduction

The NA-710 1U rackmountable network appliance supports LGA775 socket for Intel® Core™2 Duo/Core™2 Quad/Celeron® processor and up to 4GB DDR3 with two DIMM memory slots. For LAN ports, we can provide copper and fiber solution on the same platform design, it has four configurations to meet different customer's requirements. For storing event log data, the NA-710 utilizes two 2.5" SATA HDD or one 3.5" SATA HDD. NA-710 also can have limited support of SATA DOM as an option. To ensure an uninterrupted network connection, the NA-710 supports two-group bypass functions activated automatically when the system is powered down or off. Lastly, the NA-710 offers optional Cavium CN1005 VPN accelerator.

Specifications

System				
CPU	LGA775 socket for Intel® Core™2 Duo/ Core™2 Quad/ Celeron® processor			
Chipset	Intel® G41 + ICH7R			
Memory	2 x DDR3 800/1066 DIMM max. up to 4 GB (2 x 2 GB) (unbuffered non-ECC)			
BIOS	Award 64Mbit PnP Flash BIOS with function of BIOS redirected to COM port			
HDD Interface	2 x 2.5" SATA HDD (default) or 1 x 3.5" SATA HDD (optional)			
Network Interface	Configuration 1 (Default)	Configuration 2 (Option)	Configuration 3 (Option)	Configuration 4 (Option)
10/100/1000Mbps (RJ type)	6	7	4	5
10/100/1000Mbps (fiber w/ SFP type)	0	0	2	2
PCIe x8 expansion slot	1	0	1	0
Remark: Intel 82583V for RJ-45 10/100/1000Mbps				
SSD	1 x CompactFlash™; limited support of DOM for SATA2 type			
I/O Interface	1 x RS-232 (RJ type), 2 x USB connector, 6 x RJ-45 connector			
Watchdog Timer	255 stepping for porting			
USB	USB 2.0 port on front side, rest are internal pin headers			
Expansion Slot	PCIe x 8 slot (default)			
Other Features	LAN bypass function through WDT and GPIO pin control (LAN 2 & LAN 3, LAN 4 & LAN 5)			
Power Supply	270W ATX power supply			
OS Compatibility	Linux Redhat Kernel 2.4 and 2.6, FreeBSD			

Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate (RJ-45)
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.92") (W) x 394.4 mm (15.52") (D)
Weight (net/gross)	8.2 kg (18.08 lb)/9.8 kg (21.61 lb)
Certification	FCC class A/CE class A

Features

- LGA775 socket Intel® Core 2 Duo/ Core™2 Quad/ Celeron® processor
- Supports six 10/100/1000Mbps Ethernet ports (Intel® 82583V) or optional fiber port solution
- Supports single mode or multi mode fiber connection by SFP flexible design
- Supports BIOS redirected to COM port
- Supports two 2.5" SATA HDD or one 3.5" SATA HDD for data or proxy
- Supports Cavium CN1005 accelerator on board (optional)
- Suitable for VPN, network bandwidth controller, firewall and UTM applications

Ordering Information

Standard	
NA-710-R6GI	1U high performance network appliance with LGA775 socket for Intel® Core™2 Duo/ Core™2 Quad processor, 6 10/100/1000Mbps (6 RJ)
NA-710-R6MI	1U high performance network appliance with LGA775 socket for Intel® Core™2 Duo/ Core™2 Quad processor, 6 10/100/1000Mbps (4 RJ+2 SFP)

Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
40155720040E	Fiber module (SFP type multi-mode)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

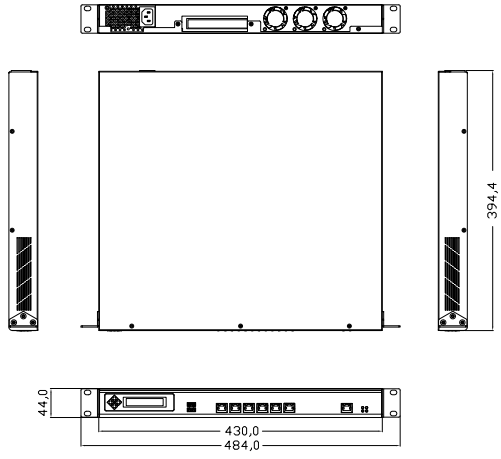
* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

1 x power cord
1 x SATA cable
1 x utility CD (user's manual and driver)
1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

Dimensions



* All specifications and photos are subject to change without notice.

NA-510

1U Rackmount Network Appliance Platform with LGA1156 Socket Processor and 8 LANs

▲ Front view

▲ Rear view

AMT

Introduction

The NA-510 is a 1U rackmountable network hardware platform with featuring high performance and high density for VPN, firewall and other network security applications. It supports LGA1156 socket for Intel® Clarkdale i5-660/ i3-540/ G6960, Lynnfield i7-860/ i5-750 up to 8GB un-buffer non-ECC DDR3 DIMM memory. For storing event log data, the NA-510 utilizes two 2.5" SATA HDD or one 3.5" SATA HDD; limited support of SATA DOM as an option. It also supports two groups of LAN bypass through WDT and GPIO pin definition without any downtime.

Specifications

System	
CPU	LGA1156 socket for Intel® Clarkdale i5-660/ i3-540/ G6960, Lynnfield i7-860/ i5-750 processor
Chipset	Intel® Q57
Memory	2 x DDR3 800/1066/1333 DIMM max. up to 8 GB (unbuffered non-ECC)
BIOS	Award 64 Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA HDD (default) or 1 x 3.5" SATA HDD (optional)
Network Interface	8 x 10/100/1000Mbps Ethernet (Intel® 82574L, Intel® 82578DM)
SSD	1 x CompactFlash™/DOM SATA2 type (optional)
I/O Interface	1 x console (RJ type), 2 x USB connector, 8 x RJ-45 connector for LAN
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	1 x 32bit/33MHz MiniPCI/1 x PCIe x8 slot
Other Features	LAN bypass function through WDT and GPIO pin Control (2 groups)
Power Supply	270W ATX power
Management Capability	Intel® AMT (Active Management Technology) 6.0 for remote control and diagnosis
OS Compatibility	Linux Red Hat 2.4 and 2.6, FreeBSD

Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate (RJ-45)
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.93") (W) x 394.4 mm (15.52") (D)
Weight (net/gross)	8.2 kg (17.64 lb)/9.8 kg (21.61 lb)
Certification	FCC class A/CE class A

Features

- LGA1156 socket type of processor as Intel® Clarkdale i5-660/ i3-540/ G6960, Lynnfield i7-860/ i5-750
- Supports eight 10/100/1000Mbps Ethernet ports (Intel® 82574L/82578DM)
- Supports unbuffer and non-ECC DDR3 memory up to 8GB
- Supports two 2.5" SATA HDD or one 3.5" SATA HDD for data or proxy
- Supports BIOS redirected to COM port
- Suitable for VPN, firewall and other network security applications

Ordering Information

Standard	
NA-510-R8GI	1U high performance network appliance with LGA1156 socket for Intel® Clarkdale i5-660/i3-540/ G6960, Lynnfield i7-860/ i5-750 and 8 10/100/1000Mbps

Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
AX92101	VGA MiniPCI module
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

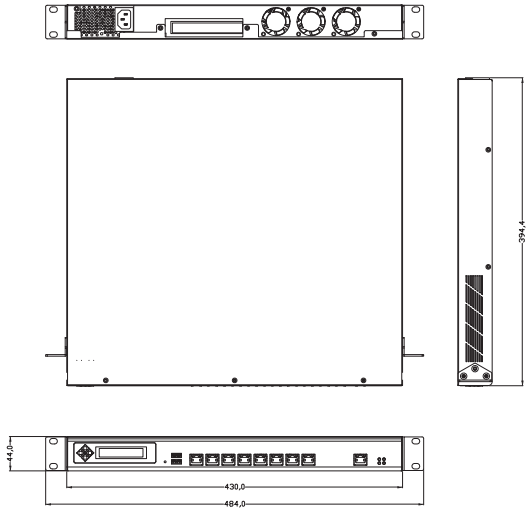
* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

1 x power cord
1 x SATA cable
1 x utility CD (user's manual and driver)
1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

Dimensions



* All specifications and photos are subject to change without notice.

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NA-560

1U Rackmount Network Appliance Platform with LGA1155 Intel® H61/ B65/ Q67 and up to 8 LANs

▲ Front view

▲ Rear view

Features

- LGA1155 socket 3rd/2nd Generation Intel® Core™ i7/ i5/ i3 processors
- Supports up to 32 GB non-buffer non-ECC memory (DDR3 1333, single & dual channel)
- Supports 8 10/100/1000Mbps Ethernet ports (Intel® 82574L is default)
- Supports BIOS redirected to COM port
- Supports two 2.5" SATA HDD
- Supports BIOS Quick Boot
- Smart Fan for better thermal and acoustic performance
- Suitable for VPN, network bandwidth controller, firewall applications

Introduction

NA-560 is a 1U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports Intel® Sandy Bridge & Ivy Bridge processors with Intel® H61/ B65/ Q67 chipset and four DDR3 1333 memory up to 32 GB. NA-560 has powerful storage interfaces featuring two 2.5" SATA HDD and one CFast . To solve shutdown issue, it supports LAN bypass function through software program.

Specifications

System	
CPU	LGA1155 socket for 3rd/2nd Generation Intel® Core™ i7/ i5/ i3 processors
Chipset	Intel® H61/ B65/ Q67 (optional)
Memory	4 x DDR3 1333 DIMM socket max. up to 16 GB non-buffer non-ECC memory (Single channel (H61 PCH) & Dual channel (B65/Q67 PCH max. up to 32 GB)
BIOS	AMI 64Mbits PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 2.5 SATA HDD or 1 x 3.5 SATA HDD
Network Interface	6 x 10/100/1000Mbps Ethernet (H61 PCH)/ 8 x 10/100/1000Mbps Ethernet (B65/Q67 PCH) (Intel® 82574L (default)/ Intel® 82583V (optional))
SSD	CFast™ or 1 x CompactFlash™ (optional)
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 6 x RJ-45 connector (H61 PCH) / 8 x RJ-45 connector (B65/Q67 PCH)
Watchdog Timer	Up to 8 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	1 x MiniPCI/1 x PCIe x8
Other Features	LAN bypass (2 groups) function through latch relay
Power Supply	270W ATX power supply
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate, LAN bypass, GPIO programmable (optional)
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 430 mm (16.93") (W) x 392.26 mm (15.43") (D)
Weight (net/gross)	8.2 kg (18.08 lb)/9.8 kg (21.61 lb)
Certification	FCC class A / CE class A

Ordering Information

Standard	
NA-560-R6GI	1U network appliance with Intel H61and 6 10/100/1000Mbps
NA-560-R8GI	1U network appliance with Intel B65 and 8 10/100/1000Mbps

Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

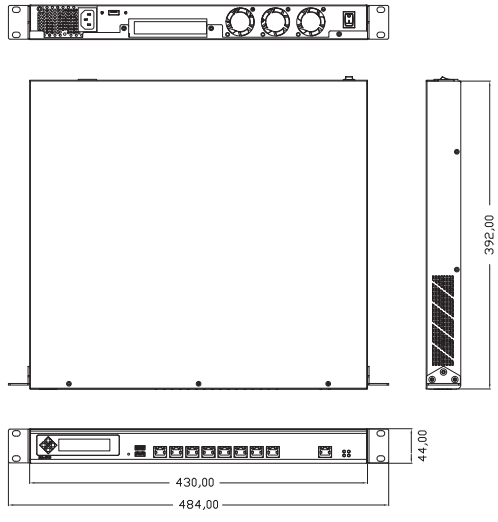
* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

1 x SATA Cable
1 x utility CD (user's manual and driver)
1 x power cord
1 x DB9F to RT-45 1.8M console cable (RC)

Dimensions



* All specifications and photos are subject to change without notice.

NA-822

1U Rackmount Network Appliance Platform with LGA775 Intel® Core™2 Quad/ Core™2 Duo Processor and 10 LANs

▲ Front view

▲ Rear view

Features

- LGA775 socket Intel® Core™2 Quad/Core™2 Duo/Celeron® processor
- Supports ten 10/100/1000Mbps Ethernet ports (Intel 82574L)
- DDR2 DIMM memory up to 4GB un-buffer ECC
- Supports two 2.5" SATA HDD or one 3.5" SATA HDD for data or proxy
- Supports BIOS redirected to COM port
- Supports Cavium CN16XX series accelerator onboard
- Suitable for VPN, firewall and other network security applications

Introduction

The NA-822 built around an Intel 3210 plus ICH9R chipset supporting Intel® Core™2 Quad, Core™2 Duo, Intel® Celeron® E1500 and Celeron® 440 processors with LGA775 socket and a 1333 MHz FSB. The NA-822 supports two unbuffered ECC DDR2 DIMM slots with memory up to 4GB and ten 10/100/1000Mbps LAN ports with up to 2-group LAN bypass. The onboard Cavium CN1605 VPN security co-processor supports multi-security protocol commands and is able to offload the CPU to increase overall system performance. For storing event log data, the NA-822 has powerful storage interfaces including one 2.5" SATA HDD or one 3.5" SATA HDD, and a CompactFlash card. To prevent problems from sudden shutdown, the communication appliance supports LAN bypass function through WDT and GPIO pin definitions.

Specifications

System	
CPU	LGA775 socket for Intel® Core™2 Quad/ Core™2 Duo desktop processor family or Celeron processor 440 or Celeron® E1500
Chipset	Intel® 3210 + Intel® ICH9R
Memory	2 x DDR2 533/667 DIMM max. up to 4 GB (unbuffered ECC/non-ECC)
BIOS	Award 16 Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	Interface 2 x 2.5" SATA HDD (default) or 1 x 3.5" SATA HDD (optional)
Network Interface	10 x 10/100/1000Mbps Ethernet (Intel® 82574L)
SSD	1 x CompactFlash™/DOM option for USB type
I/O Interface	1 x console (RJ type), 2 x USB connector, 10 x RJ-45 connector
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	1 x 32bit/33MHz MiniPCI/1 x PCIe x8 slot
Other Features	Support 2 groups LAN bypass for LAN1 and LAN2, LAN3 and LAN4
Power Supply	270W ATX power
OS Compatibility	Linux Red Hat 2.4 and 2.6, FreeBSD

Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate (RJ-45)
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 427.8 mm (16.84") (W) x 392 mm (15.43") (D)
Weight (net/gross)	8.2 kg (17.64 lb)/9.8 kg (21.61 lb)
Certification	FCC class A/CE class A

Ordering Information

Standard	
NA-822-RAGI w/Cavium	1U high performance network appliance with LGA775 socket for Intel® Core™2 Quad/Core™2 Duo processor and 10 10/100/1000Mbps, Cavium CN1605
NA-822-RAGI w/o Cavium	1U high performance network appliance with LGA775 socket for Intel® Core™2 Quad/Core™2 Duo processor and 10 10/100/1000Mbps

Optional	
AX92101	VGA MiniPCI module
CK9A103	Cable kit (P/N: 8816E821000E)

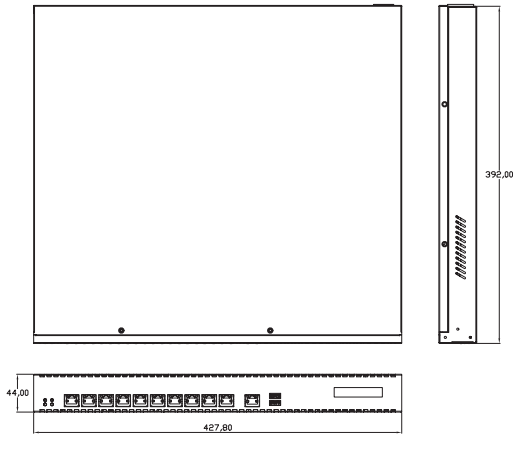
* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

- 2 x SATA cable
- 1 x power cord
- 1 x utility CD (user's manual and driver)
- 1 x DB9F to RJ-45 1.8M console cable (RC)

Dimensions



* All specifications and photos are subject to change without notice.

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NA-821

1U Rackmount Network Appliance Platform with LGA775 Intel® Core™2 Quad/Core™2 Duo Processor, 2 PCIe I/O Modules and up to 11 LANs

▲ Front view

▲ Rear view

Features

- LGA775 socket Intel® Core™2 Duo or Core™2 Quad processor, up to FSB 1333 MHz
- Supports PCIe I/O slots for LAN modules expansion
- Supports BIOS redirected to COM port features
- Supports two SATA 2.5 HDD and RAID feature
- Smart fan and intrusion control
- Independent WDT and GPIO pins control for different LAN bypass groups
- Suitable for network appliance: VPN, network bandwidth controller, firewall and UTM

Introduction

The NA-821 has up to 11 Gigabit Ethernet ports thru PCIe/PCI interface and up to 4-group LAN bypass segments. The system supports an Intel® Core™2 Quad/Core™2 Duo processor with a 800/1066/1333 MHz frontside bus and is equipped with the Intel® Q35+ICH9DO Express chipset. For greater flexibility and easier maintenance, the NA-821 has two front-accessible expansion slots that allow developers to configure PCIe LAN modules based on their solution requirements. The NA-821 supports two DDR2 667/800 DIMM sockets up to 4GB memory. Additionally, the NA-821 has storage interfaces including two SATA 2.5" HDD and CompactFlash™. To prevent problems from platform shutdown, the NA-821 supports up to four groups of LAN bypass function through WDT and GPIO pin definitions. The network security platform also offers powerful management functions, including BIOS redirection and SNMP (optional).

Specifications

System	
CPU	LGA775 socket for Intel® Core™2 Duo/ Core™2 Quad processor with FSB 800/1066/1333 MHz
Chipset	Intel® Q35 + ICH9DO
Memory	2 x DDR2 667/800 DIMM max. up to 4 GB
BIOS	Award 32Mbit PnP Flash BIOS (SPI) with function of BIOS redirected to COM port
HDD Interface	2 x 2.5" SATA HDD (default) or 1 x 3.5" SATA HDD (optional)
Network Interface	The default is ten 10/100/1000Mbps Ethernet and four LAN bypass segments. More LAN ports expandability of the device by LAN modules up to 11 LAN ports in total (maximum)
SSD	1 x CompactFlash™
I/O Interface	1 x console (RJ-type), 2 x USB connector, 10 x RJ-45 connector
Watchdog Timer	255 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	One slot for PCI-X 64-bit/133MHz and one PCI slot with 32-bit/33MHz by AX90621 module
Other Features	Reset and power on/off function onboard (pin) * Supports SPI Flash * Supports firmware upgrade functions by SMBus EEPOM * Supports RAID function
LCD Module	Yes. Programmable through RS-232 interface 4 hard keys on the front panel for users operation
Enclosure Management	Smart fan control (for fan management speed and failure alert), intrusion control for case open
Power Supply	270W ATX power supply
OS Compatibility	Redhat Linux 2.4 and 2.6 Kernel

Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate
Operating Temp.	0° ~ +45°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 427.8 mm (16.84") (W) x 430 mm (16.92") (D)
Weight (net/gross)	9.3 kg (20.5 lb)/10.5 kg (23.15 lb)
Certification	FCC class A

Ordering Information

Standard	
NA-821-RAGI-2527	1U extreme performance network security appliance with LGA775 socket for Intel® Core™2 Quad/Core 2 Duo CPU, 10 10/100/1000Mbps
NA-821-R4GI-RC	1U extreme performance network security appliance with LGA775 socket for Intel® Core™2 Quad/Core 2 Duo CPU, 4 10/100/1000Mbps

Optional	
CK9A103	Cable kit (P/N: 8816E821000E)
59416112100E	Cable DB9 (M) - RJ-45 L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

1 x SATA cable
1 x power cord
1 x utility CD (user's manual and driver)
1 x RJ-45 to DB9 (F) 1.8M console cable (RC) cross cable

* All specifications and photos are subject to change without notice.

NA-821

PCIe LAN Modules for NA-821

Configuration I

PCIe Gigabit module with up to 4 LAN ports and PCIe Gigabit module with up to 2 LAN ports, 2 LAN bypass segments.		
	AX93125-4GI	AX93125-2GI
PCIe Gigabit	4	2
Ethernet Controller	Intel 82573L	Intel 82573L
Interface Type	RJ-45	RJ-45
Bypass Segment	2	0
Slot Location	Slot 1	Slot 2
PCI-X Slot	Yes, PCI-X 64-bit/133MHz	

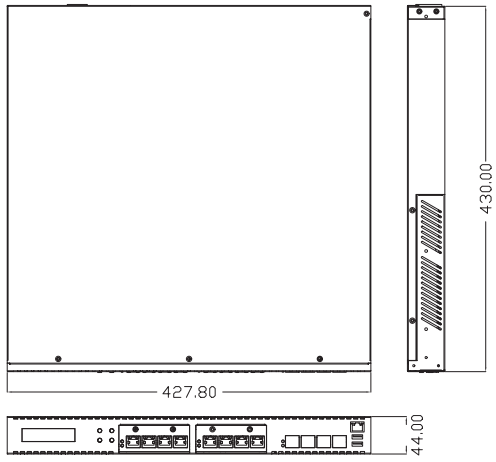
*Default

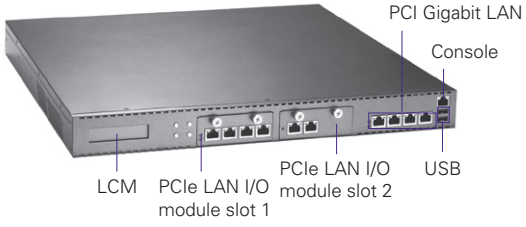
Configuration II

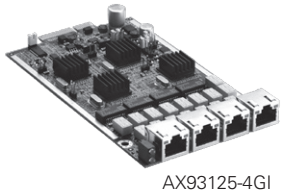
PCIe Gigabit module with up to 4 LAN ports and PCIe Gigabit module with up to 3 LAN ports, 2 LAN bypass segments.		
	AX93125-4GI	AX93125-3GI
PCIe Gigabit	4	3
Ethernet Controller	Intel 82573L	Intel 82573L
Interface Type	RJ-45	RJ-45
Bypass Segment	2	0
Slot Location	Slot 1	Slot 2
PCI-X Slot	N/A	

*The configuration is upon OEM/ODM requirement.

Dimensions

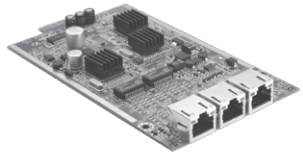






AX93125-4GI

AX93125-2GI



AX93125-3GI

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NA-360

1U Rackmount Network Appliance Platform with Intel® Crystal Forest (Gladden Platform) and up to 16 LANs

NEW

▲ Front view

▲ Rear view

Features

- Intel® Crystal Forest (Gladden platform) processor
- Intel® Xeon® and Intel® Core™ Processors (Gladden)
- Two DIMM sockets support up to 8 GB none-buffer ECC/ non-ECC memory (DDR3 1333, single channel)
- Supports 8 10/100/1000Mbps Ethernet ports (Intel® i210AT, default)
- 2 groups LAN bypass function through latch relay (default)
- Supports Intel® QuickAssist
- Supports LAN module expansion (supports copper and SFP fiber; please refer to NA-550 LAN module selection)
- Supports BIOS redirected to COM port
- Supports BIOS Quick Boot
- Smart Fan for better thermal and acoustic performance
- Suitable for VPN, network bandwidth controller, firewall applications

Introduction

The NA-360 is a 1U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports Intel® Crystal Forest (Gladden platform) with Intel® Cave Creek chipset and four DDR3 Dual Channel 1333 memory DDR3 1333 memory up to 8 GB. The NA-360 has powerful storage interfaces featuring one 2.5" SATA HDD and one CFast™. To solve shutdown issue, the NA-360 supports LAN bypass function through software program. Besides, the model also supports the QuickAssist technology IPSec engine, virtualization and DPDK (Data Plane Development Kit). It provides high performance in IPSec/Patten match/compression, and layer 3 routing performance in networking packets.

Specifications

System	
CPU	Intel® Celeron® 725C 1.3 GHz/ Pentium® B915C 1.5 GHz Support Intel® Xeon E3-1105C/1125C (optional)
Chipset	Intel® DH8900CC/ DH8903CC PCH
Memory	4 x DDR3 1333 DIMM socket max. up to 8 GB ECC/non-ECC memory (single channel)
BIOS	AMI 64Mbits PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5 SATA HDD or 1 x 3.5 SATA HDD
Network Interface	8 x 10/100/1000Mbps Ethernet Intel® i210AT (default), Intel® 82574L (optional). Expandable up to 16 LAN ports via 1 x LAN module (AX93306/AX93312)
SSD	1 x CFast™
I/O Interface	1 x RS-232 (RJ-type connector), 2 x USB connector, 8 x RJ-45 connector
Watchdog Timer	Up to 8 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot	1 x PCIe x8 1 x PCI Express Mini Card slot
Other Features	LAN bypass function through latch relay (up to 4 groups, default is 2 groups)
Power Supply	270W ATX power supply
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	1U rackmount
LED	Power, HDD, Link/Act with transfer rate, LAN bypass, GPIO programmable (optional)
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 90% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 427.8 mm (16.84") (W) x 430 mm (16.93") (D)
Weight (net/gross)	8.2 kg (18.08 lb)/9.8 kg (21.61 lb)
Certification	FCC class A /CE class A

Ordering Information

Standard	
NA-360-R8GI	1U network appliance with Intel® Gladden™ processor and 8 10/100/1000Mbps

Optional	
CK9A104	Cable kit (P/N: 8816E320010E)
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable

* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

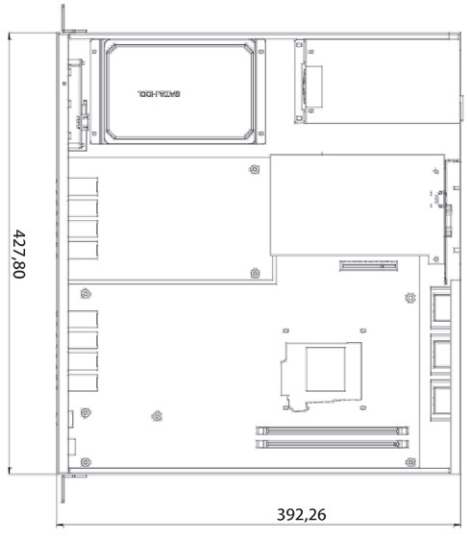
Packing List

1 x SATA cable

1 x utility CD (user's manual and driver)

1 x power cord

Dimensions



* All specifications and photos are subject to change without notice.

NA-550

1U Rackmount Network Appliance Platform with LGA1155 Intel® C216 and up to 26 LANs

▲ Front view

▲ Rear view

Features

- LGA1155 socket 3rd/2nd Generation Intel® Xeon® E3 family processors
- Four DIMM sockets support up to 32 GB non-buffer non-ECC/ ECC memory (DDR3 1333, dual channel)
- Supports LAN modules expansion
- Supports BIOS redirected to COM port
- Supports one 2.5" SATA HDD
- Suitable for VPN, network bandwidth controller, firewall applications

Introduction

The NA-550 is a 1U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports 3rd/2nd Generation Intel® Xeon® E3 family processors with Intel® C216 chipset and four DDR3 1333 memory up to 32 GB. For greater flexibility and easier maintenance, the NA-550 has three front-accessible expansion slots that allow developers to configure different LAN modules based on their solution requirements. The NA-550 has storage interfaces featuring one 2.5" SATA HDD and one CFast™. To solve shutdown issue, the NA-550 supports up to six groups of LAN bypass function through software program.

Specifications

System	
CPU	LGA1155 socket for 3rd/2nd Generation Intel® Xeon® E3 family processors, max 95 watt
Chipset	Intel® C216
Memory	4 x DDR3 1333 DIMM socket max. up to 32 GB non-buffer non-ECC/ECC memory (Dual channel)
BIOS	AMI 64 Mbit PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	1 x 2.5" SATA HDD
Network Interface	The default is 14 10/100/1000Mbps Ethernet and four LAN bypass segments. Expandability of up to 26 LAN ports via LAN modules & six LAN bypass segments
SSD	1 x CFast™
I/O Interface	1 x console (RJ-type connector), 2 x USB connector, 14 x RJ-45 connector, 1 x VGA connector, 1 x PS/2 keyboard/ mouse connector (default)
Watchdog Timer	Up to 8 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion Slot (Optional)	1 x External PCI slot 1 x Mini PCI slot (32-bit/33 MHz)
Other Features	LAN bypass function through software program
Power Supply	300W ATX power supply
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	1U rackmount
LED	4 x GPO LED - (LED 1: green color, normal working; LED 2: green color; management; LED 3: yellow color; master/slave; LED 4: yellow color; Log). While the BIOS boots up, the LED should be light off. While it boots up successfully, these LEDs can be triggered and controlled by software.
Operating Temp.	0° ~ +45°C (32°F ~ 104°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	44 mm (1.73") (H) x 427.8 mm (16.84") (W) x 523 mm (20.59") (D)
Weight (net/gross)	8.32 kg (18.34 lb)/12.76 kg (28.13 lb)
Certification	FCC class A/CE class A

Ordering Information

Standard	
NA-550-REGI	1U network appliance with LGA1155 socket for 3rd/2nd Generation Intel® Core™ processors and 14 10/100/1000Mbps (AX93306-4GIL & AX93306-8GIL)
NA-550-R2GI	1U network appliance with LGA1155 socket for 3rd/2nd Generation Intel® Core™ processors and 2 10/100/1000Mbps

Optional	
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable
AX93306-4GI	4-port Gigabit copper module
AX93306-4GIL	4-port Gigabit copper module with LAN bypass
AX93306-4FI	4-port Gigabit SFP fiber module
AX93312-8FI	8-port Gigabit SFP fiber module
AX93306-8GI	8-port Gigabit copper module
AX93306-8GIL	8-port Gigabit copper module with LAN bypass
AX93306-8MI	4-port Gigabit copper & 4-port Gigabit SFP fiber module
AX93306-8MIL	4-port Gigabit copper & 4-port Gigabit SFP fiber module with LAN bypass

* Specifications and certifications are based on options and may vary.

** Recommend ordering optional cable kit with first order.

Packing List

1 x SATA cable
1 x utility CD (user's manual and driver)
1 x power cord

* All specifications and photos are subject to change without notice.

NA-550

LAN Modules for NA-550

4-port LAN Module

	PCIe Switch	LAN Chipset/ Qty	Number of Ports	LAN Bypass Pairs (Latch Relay)	Copper/ Fiber (SFP)
AX93306-4GI	PLX PEX8624	Intel® 82580DB/2	4	0	4/0
AX93306-4FI	PLX PEX8624	Intel® 82580DB/2	4	0	0/4
AX93306-4GIL	PLX PEX8624	Intel® 82580DB/2	4	2	4/0

AX93306-4FI

AX93306-4GIL

AX93306-4GI

8-port LAN Module

	PCIe Switch	LAN Chipset/ Qty	Number of Ports	LAN Bypass Pairs (Latch Relay)	Copper/ Fiber (SFP)
AX93306-8GI	PLX PEX8624	Intel® 82580DB/4	8	0	8/0
AX93312-8FI	PLX PEX8624	Intel® 82580DB/4	8	0	0/8
AX93306-8MI	PLX PEX8624	Intel® 82580DB/4	8	0	4/4
AX93306-8GIL	PLX PEX8624	Intel® 82580DB/4	8	2	8/0
AX93306-8MIL	PLX PEX8624	Intel® 82580DB/4	8	2	4/4

AX93306-8MIL

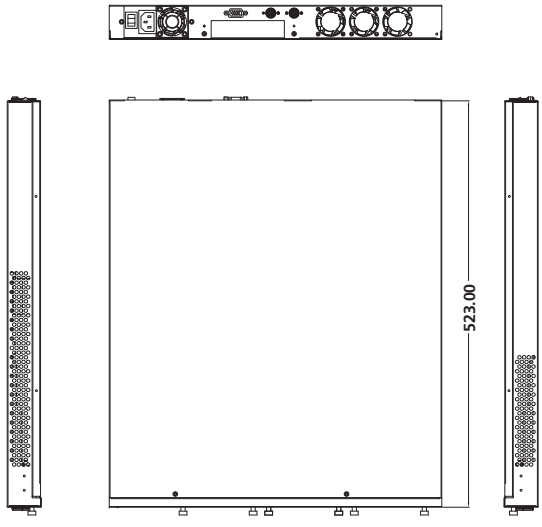
AX93306-8MI

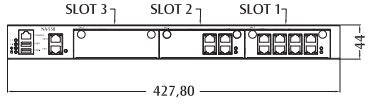
AX93306-8GI

AX93312-8FI

AX93306-8GIL

Dimensions





Default 14 LAN ports

Up to 26 LAN ports

* All specifications and photos are subject to change without notice.
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NA-551

2U Rackmount Network Appliance Platform with LGA1155 Intel® Ivy Bridge (C216), Two 3.5" Hot-swappable HDD and up to 26 LANs

▲ Front view

▲ Rear view

Features

- LGA1155 socket 3rd/2nd Generation Intel® Xeon® E3 family processors
- Four DIMM sockets support up to 32 GB non-buffer non-ECC/ ECC memory (DDR3 1333, dual channel)
- Supports diversification LAN modules expansion
- Supports power redundant
- Supports BIOS redirected to COM port
- Supports two front-accessible 3.5" SATA HDD
- Suitable for VPN, network bandwidth controller, firewall applications

Introduction

NA-551 is a 2U rackmountable network security hardware platform for VPN, firewall and other network security applications. It supports 3rd/2nd Generation Intel® Xeon® E3 family with Intel® C216 chipset and four DDR3 1333 memory up to 32 GB. For greater flexibility and easier maintenance, NA-551 has three front-accessible expansion slots that allow developers to configure different LAN modules based on their solution requirements.
It has storage interfaces featuring two 3.5" SATA HDD and one CFast™. To solve shutdown issue, NA-551 supports up to six groups of LAN bypass function through software program.

Specifications

System	
CPU	LGA1155 socket for 3rd/2nd Generation Intel® Xeon® E3 family processors, max 99 watt
Chipset	Intel® C216
Memory	4 x DDR3 1333 DIMM socket max. up to 32 GB non-buffer non-ECC/ECC memory (dual channel)
BIOS	AMI 64Mbits PnP Flash BIOS with function of BIOS redirected to COM port
HDD Interface	2 x 3.5" SATA HDD
Network Interface	The default is 14 10/100/1000Mbps Ethernet and four LAN bypass segments. Expandable up to 26 LAN ports via LAN modules and six LAN bypass segments
SSD	1 x CFast™
I/O Interface	1 x console (RJ-type), 2 x USB connector, 14 x RJ-45 connector, 1 x VGA connector, 1 x PS/2 keyboard/mouse connector
Watchdog Timer	Up to 8 stepping for porting
USB	2 x USB 2.0 port on front side, rest are internal pin headers
Expansion slot	1 x Mini PCI slot (32-bit/33 MHz)
Other Features	LAN bypass function through software program
Power Supply	300W redundant power supply
OS Compatibility	Linux Redhat Kernel 2.6

Mechanical/ Environmental	
Form Factor	2U rackmount
LED	Power, HDD, Link/Act with transfer rate, LAN bypass, GPIO programmable (optional)
Operating Temp.	0° ~ +45°C (32°F ~ 113°F)
Storage Temp.	-20°C ~ +70°C (-4°F ~ +158°F)
Humidity	10% ~ 95% RH, non-condensing
Chassis Material	Steel
Dimensions	88 mm (3.46") (H) x 430 mm (16.92") (W) x 500 mm (19.68") (D)
Weight (net/gross)	14.52 kg (32.01 lb)/21.61 kg (47.64 lb)
Certification	FCC class A/CE class A

Ordering Information

Standard	
NA-551-REGI-R	2U network appliance with LGA1155 for 3rd/2nd Generation Intel® Core™ processors, PSU 1+0 and 14 10/100/1000Mbps (AXP3306-4GIL & AXT3306-8GIL)
NA-551-R2GI-R1	2U network appliance with LGA1155 for 3rd/2nd Generation Intel® Core™ processors, PSU 1+0 and 2 10/100/1000Mbps
NA-551-R2GI-R2	2U network appliance with LGA1155 for 3rd/2nd Generation Intel® Core™ processors, PSU 1+1 and 2 10/100/1000Mbps

Optional	
59416112100E	Cable DB9 (M) - RJ-45, L: 1.5M straight cable
AX93306-4GI	4-port Gigabit copper module
AX93306-4GIL	4-port Gigabit copper module with LAN bypass
AX93306-4FI	4-port Gigabit SFP fiber module
AX93306-8GI	8-port Gigabit copper module
AX93306-8GIL	8-port Gigabit copper module with LAN bypass
AX93306-8MI	4-port Gigabit copper & 4-port Gigabit SFP fiber module
AX93306-8MIL	4-port Gigabit copper & 4-port Gigabit SFP fiber module with LAN bypass
AX93312-8FI	8-port Gigabit SFP fiber module

* Specifications and certifications are based on options and may vary.
** Recommend ordering optional cable kit with first order.

Packing List

1 x SATA Cable
1 x utility CD (user's manual and driver)
1 x power cord (PSU 1+0), 2 x power cord (PSU 1+1)
2 x HDD tray (w/ key)

* All specifications and photos are subject to change without notice.

NA-551

LAN Modules for NA-551

4-port LAN Module

	PCIe Switch	LAN Chipset/ Qty	Number of Ports	LAN Bypass Pairs (Latch Relay)	Copper/ Fiber (SFP)
AX93306-4GI	PLX PEX8624	Intel® 82580DB/2	4	0	4/0
AX93306-4FI	PLX PEX8624	Intel® 82580DB/2	4	0	0/4
AX93306-4GIL	PLX PEX8624	Intel® 82580DB/2	4	2	4/0

AX93306-4FI

AX93306-4GIL

AX93306-4GI

8-port LAN Module

	PCIe Switch	LAN Chipset/ Qty	Number of Ports	LAN Bypass Pairs (Latch Relay)	Copper/ Fiber (SFP)
AX93306-8GI	PLX PEX8624	Intel® 82580DB/4	8	0	8/0
AX93312-8FI	PLX PEX8624	Intel® 82580DB/4	8	0	0/8
AX93306-8MI	PLX PEX8624	Intel® 82580DB/4	8	0	4/4
AX93306-8GIL	PLX PEX8624	Intel® 82580DB/4	8	2	8/0
AX93306-8MIL	PLX PEX8624	Intel® 82580DB/4	8	2	4/4

AX93306-8MIL

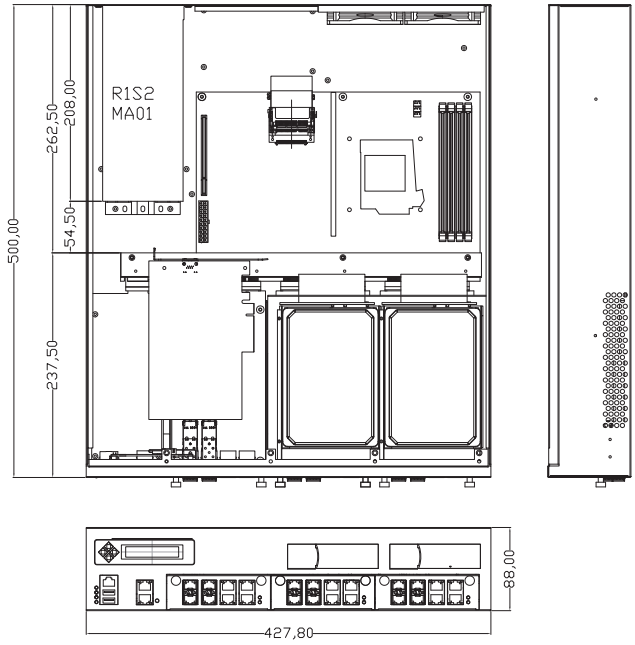
AX93306-8MI

AX93306-8GI

AX93312-8FI

AX93306-8GIL

Dimensions



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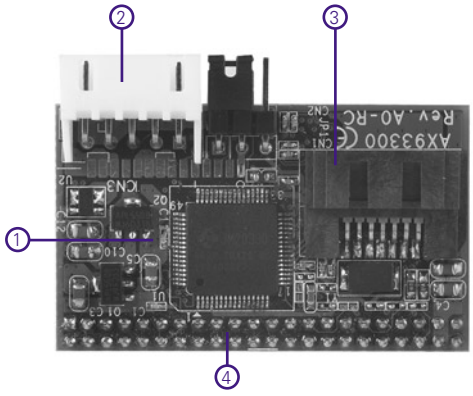
AX93300

PATA to SATA Converter Module Card



1. JMicron JM20330 chipset
2. SATA power connector
3. SATA data channel connector
4. Pins for 44-pin PATA connector

Features

- Supports SATA storage device connection through IDE channel of main board
- PATA 44-pin to SATA Gen 1, and supports 2.5 SATA hard drive
- Suitable for NA-100

Introduction

The AX93300 is a DOM type adapter card for PATA to SATA interface communication. It breaks the limitation of SATA storage device support on concurrent platform usage, and also enhances storage efficiency. In the meantime, this module is suitable for NA-100 network appliance.

Specifications

Specification	
Interface	IDE
Chipset	JMicron JM20330
EIDE	ATA 66/100/133 pin (44-pins)
S-ATA Connector	Supports data and power pin connector Supports S-ATA Gen 1 interface of 1.5GBps Compliance with S-ATA 1.0a specifications

Mechanical/ Environmental	
Other Feature	* Transparent to BIOS or OS, no driver is necessary * Can be installed in the NA-0043 series, NA-806 series
OS Compatibility	Linux Red Hat, Linux kernel 2.4 & 2.6 and Windows® XP/2000
Operating Temp.	0° ~ +60°C (32°F ~ 140°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% - 95% RH, non-condensing
Dimensions	46 mm x 27 mm

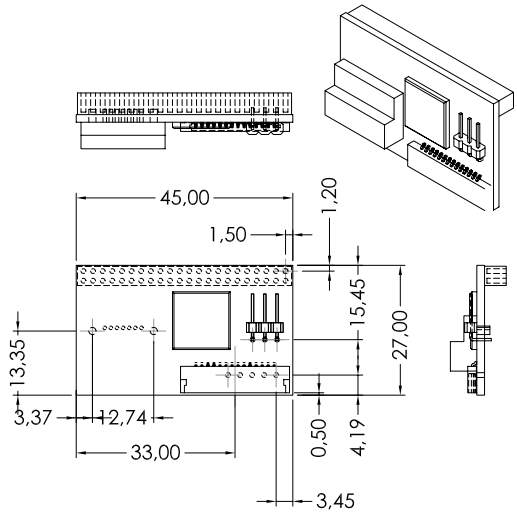
Ordering Information

AX93300	PATA to SATA converter module

Packing List

1 x SATA power cable, 1 x SATA data cable

Dimensions



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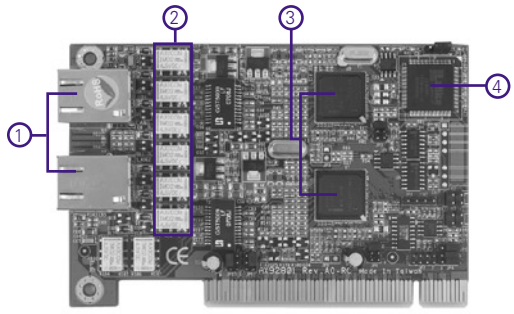
AX92801

Dual Intel® Gigabit LAN Bypass Adapter Card



1. LAN (RJ-45)
2. Hardware relay
3. Intel® 82541PI LAN chip
4. CPLD (complex programmable logical device)

Features

- Dual Gigabit ports with LAN bypass function
- Jumper selection by PICMG or arbiter control mode
- Supports WDT function for LAN by pass enabling
- Supports micro code for software integration in different Linux OS
- Supports PCI expansion slot for installation in NA-820 (for other NA platforms, the configuration is upon OEM/ODM requirement)
- Suitable LAN by pass function implementation for network appliance: VPN, UTM, network bandwidth controller, SSL/ TLS, firewall and other embedded box applications

Introduction

The AX92801 is a PCI 32-bit LAN bypass adapter card. It supports dual gigabit ports with WDT (watch dog timer) for LAN bypass feature enabling. If the NA device power shortage or hanging ever happen, it still can continue operation for two specify network segments. The adapter card can be migrated with concurrent network appliance platforms for VPN, UTM, other network security applications and embedded box solutions. AX92801 supports two Intel 82541PI LAN chips and micro code for Linux kernel, administrators can easily implement program.

Specifications

Specification	
Interface	PCI 32-bit/33 MHz
LAN Chipset	Intel® 82541PI
Protocol	IEEE802.3ab, 1000Base-T IEEE802.3u, 100Base-TX IEEE802.3, 10Base-T
Media Interface	2-port RJ-45 w/ LED (Act/Link and transfer rate)
Cabling	Category 5/5e or above, 4-pair
Length	100 meters maximum
LAN	2 x 10/100/1000Mbps Ethernet (Intel 82541PI) Supports LAN by pass (optional) Supports teaming feature Share same (32-bit/33 MHz) bus banduidth through Arbi
Connector / Jumper	Two RJ-45 LAN connetors w/ LED
LAN Bypass	Supports SDK in Linux environment that is sample code for LAN bypass function enabling by customer's application program
Other Feature	Supports Auto MDI/MDI-X feature integrated 128K byte frame buffer memory
OS Compatibility	Linux Redhat Kernel 2.4 and 2.6, FreeBSD

Mechanical/ Environmental	
Form Factor	PCI 32bit/33MHz
LED	Power, HDD, Link/Act with transfer rate (RJ-45)
Operating Temp.	0° ~ +60°C (32°F ~ 140°F)
Storage Temp.	-20° ~ +70°C (-4°F ~ +158°F)
Humidity	10% - 95% RH, non-condensing
Dimensions	120 mm x 80 mm

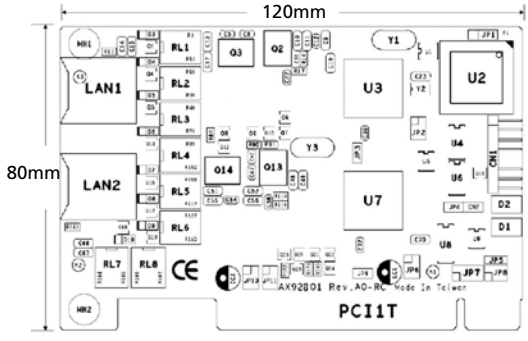
Ordering Information

AX92801	Dual Intel® Gigabit ports LAN bypass adapter card

Packing List

1 x Utility CD (user's manual and driver)

Dimensions



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